



**UNDERGRADUATE EDUCATION COMMITTEE (UEC) MEETING**  
**November 22, 2019 - 10:00 AM**  
**A225**

**AGENDA**

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**1. APPROVAL OF THE AGENDA**

**1.1.**

**2. APPROVAL OF UEC MINUTES**

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**2.1. UEC draft minutes: Oct. 25, 2019**

**3. PROGRAMS AND COURSES**

8 - 11

**3.1. Science: Program change**

Change to program requirements: Bachelor of Science

MOTION: To approve the change to the Bachelor of Science as presented, effective September 2020.

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**3.2. Mathematics and Statistics: Course outlines**

Change to prerequisites: MATH 339

Change to prerequisites and total hours: MATH 345, 355

Review with changes including total hours: MATH 410

Review with changes including total hours: STAT 330, 430

Review with changes including prerequisites and total hours: STAT 470

New course: STAT 307, Data Visualization

MOTION: To approve the revised MATH and STAT course outlines as presented.

MOTION: To approve the new STAT 307 course outline as presented.

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**3.3. Mathematics and Statistics: Program changes**

Change to program requirements: Applied Statistics minor

Addition to Bachelor of Arts: Mathematics Honours

Changes to entrance and program requirements: Data Analysis post-baccalaureate certificate

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MOTION: To approve the change to the Applied Statistics program requirements as presented, effective September 2020.

MOTION: To approve the addition of the Mathematics Honours to the Bachelor of Arts as presented.

MOTION: To recommend the changes to the Data Analysis Post-baccalaureate certificate as presented, effective September 2020.

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### **3.4. Social Work and Human Services**

Changes to entrance and program requirements, and program names: Social Service Worker diploma (formerly Social Services diploma) and Social Service Worker diploma – Indigenous Focus (formerly Social Services diploma – First Nations option)

MOTION: To recommend the changes to the Social Services diploma entrance and program requirements as presented, effective September 2020.

MOTION: To recommend changing the Social Services diploma to the Social Service Worker diploma as presented, effective September 2020.

MOTION: To recommend changing the Social Services diploma – First Nations option to the Social Service Worker diploma – Indigenous Focus as presented, effective September 2020.

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### **3.5. Geography: Course outlines**

Changes including prerequisites: GEOG 492

Review with changes including prerequisites and total hours: GEOG 493

Discontinuation: GEOG 117

MOTION: To approve the GEOG 492 and 493 course outlines as presented.

MOTION: To approve the discontinuation of GEOG 117 as presented.

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### **3.6. Geography and the Environment: Program changes**

Changes to program requirements: Geography Honours

Changes to program requirements: Geography major

Changes to program requirements: Geography extended minor

Changes to program requirements: Geography minor

Changes to program requirements: Physical Geography Honours

Changes to program requirements: Physical Geography major

Changes to program requirements: Physical Geography minor

MOTION: To approve the changes to the Geography Honours, major, extended minor, and minor as presented, effective September 2020.

MOTION: To approve the changes to the Physical Geography Honours, major,

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and minor as presented, effective September 2020.

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**3.7. Criminal Justice: Course outlines**

Review with changes including prerequisites: CRIM 220, 414

Changes including prerequisites and total hours: CRIM 403

Changes including prerequisites: CRIM 400, 410

Change to prerequisites: CRIM 402, 412, 416, 418, 419, 450

Changes including prerequisites: CRIM 479

Changes including prerequisites and grade mode: CRIM 480

MOTION: To approve the CRIM 220 and 414 course outlines as presented.

MOTION: To approve the CRIM 403 course outline as presented.

MOTION: To approve the CRIM 400, 402, 410, 412, 416, 418, 419, and 450 course outlines as presented.

MOTION: To approve the CRIM 479 and 480 course outlines as presented.

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**3.8. Criminal Justice: Program changes**

Changes to entrance and program requirements: Bachelor of Arts (Criminal Justice)

Changes to program requirements: Criminal Justice Honours

Changes to program requirements, including addition of Co-op: Criminal Justice diploma

MOTION: To recommend the changes to the Bachelor of Arts (Criminal Justice) as presented, effective September 2020.

MOTION: To approve the changes to the Criminal Justice Honours as presented, effective September 2020.

MOTION: To recommend the changes to the Criminal Justice diploma as presented, including the addition of a Co-operative Education option, effective September 2020.

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**3.9. Biology: Course change**

Discontinuation: BIO 497

MOTION: To discontinue BIO 497 as presented.

**4. OTHER BUSINESS/DISCUSSION ITEMS**

**4.1. APPC update**

**4.2. Senate report**

**4.3. Subcommittee membership**

- Screening Subcommittee has one vacancy (UEC faculty member)

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- Policy Subcommittee has one vacancy (UEC member at large)

## **5. INFORMATION ITEMS**

- 5.1. Minor course changes** (outlines will be available at [www.ufv.ca/calendar/courseoutlines](http://www.ufv.ca/calendar/courseoutlines))  
ENGL 376  
MATH 118

## **6. ADJOURNMENT**





## **UNDERGRADUATE EDUCATION COMMITTEE (UEC) MEETING**

October 25, 2019  
10:00 AM - A225  
Abbotsford Campus

### **DRAFT MINUTES**

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**PRESENT:** Donna Alary, Adrianna Bakos, Heather Compeau, Jonathan Hughes, Bobby Jaswal, David Johnston, Bruce Kirkley, David McGuire, Elaine Newman, Linda Pardy, Teresa Piper, Kirsten Robertson, Shelley Stefan, and Sven Van de Wetering  
**ABSENT:** Courtney Boisvert, Sue Brigden, Vlad Dvoracek, Peter Geller, Shirley Hardman, Amber Johnston, Gilmour Jope, Neeraj Kumar, Alisha Mutneja, and Samantha Pattridge  
**GUESTS:** Margaret Coombes, Ghizlane Laghzaoui, Edward Lo, Curtis Magnuson, Marlene Murray, Alison Reeves  
**RECORDER:** Amanda Grimson

#### **1. APPROVAL OF THE AGENDA**

#### **2. APPROVAL OF UEC MINUTES**

##### **2.1. UEC draft minutes: Sept. 27, 2019**

##### **MOTION:**

To approve the Sept. 27, 2019 draft minutes with the following corrections:

- 3.2: addition of "(Natural Sciences)" to the motion.
- 4.1: "1.5 years" changed to "2 years".

CARRIED

#### **3. COURSES AND PROGRAMS**

##### **3.1. Social Work and Human Services**

Changes to entrance and program requirements, and program name: School and Community Support Worker certificate (formerly Community Support Worker certificate)

It was noted that the GED is not currently offered, and has never been considered equivalent to grade 12 graduation. Reference to the GED will be removed.

The recommendation for the program name change came from provincial articulation. A program review is underway this year to evaluate which courses are required to make this program suitable for EA certification.

##### **MOTION:**

To recommend the changes to the Community Support Worker certificate entrance and program requirements as amended, effective September 2020:

- Entrance requirements: removal of GED

CARRIED

**MOTION:**

To recommend changing the Community Support Worker certificate to the School and Community Support Worker certificate as presented, effective September 2020.

CARRIED

**3.2. Business**

Changes to program requirements: Human Resource Management major

**MOTION:**

To approve the change to the Human Resource Management major as presented, effective January 2020.

CARRIED

**3.3. Modern Languages**

New course: HALQ 301, Advanced Upriver Halq'eméylem I

New course: HALQ 302, Advanced Upriver Halq'eméylem II

New program: Halq'eméylem Advanced Proficiency certificate

**MOTION:**

To approve the HALQ 301 and 302 course outlines as presented.

CARRIED

**MOTION:**

To approve the Halq'eméylem Advanced Proficiency certificate as presented.

CARRIED

**3.4. Graphic and Digital Design**

Changes including prerequisites: GD 254

New course: GD 304, User Experience Design

Changes to program requirements: Graphic and Digital Design extended minor

Changes to program requirements: Graphic and Digital Design major

**MOTION:**

To approve the GD 254 and 304 course outlines as presented.

CARRIED

**MOTION:**

To approve the changes to the Graphic and Digital Design major and extended minor as presented, effective January 2020.

CARRIED

**3.5. Visual Arts**

Discontinuation: AH 214

Discontinuation: VA 170

**MOTION:**

To discontinue AH 214 and VA 170 as presented.

CARRIED

**3.6. Computer Information Systems**

Review with changes including course hours: CIS 192

Review with changes including prerequisites: COMP 370

Vice-Chair D. Johnston noted that there was an intervenor who was concerned about removal of the lab from CIS 192.

**MOTION:**

To approve the CIS 192 course outline as presented.

**MOTION:**

To approve the COMP 370 course outline as amended:

- Prerequisite note: "Computing Science minor" changed to "Computing Science **major or** minor".

CARRIED

**4. OTHER BUSINESS/DISCUSSION ITEMS**

**4.1. Transfer Credit Request Template**

Committee members provided feedback to the Registrar on this template and the transfer credit evaluation process in general.

**MOTION:**

That UEC endorse the use of the template "Request for Recognition of Institutions or Organizations for the Purpose of Evaluating Transfer Credit (non-graduate level courses)".

**4.2. Subcommittee membership**

- Screening Subcommittee has one vacancy (UEC faculty member)
- Policy Subcommittee has one vacancy (UEC member at large)

**4.3.**

**Senate report**

All items presented to Senate by UEC were approved.

**5. INFORMATION ITEMS**

**5.1. Minor course changes** (outlines will be available at

[www.ufv.ca/calendar/courseoutlines](http://www.ufv.ca/calendar/courseoutlines))

CRIM 215, 250, 281

**5.2. Robert's Rules of Order for Senate and Standing Committees of Senate**

**6. ADJOURNMENT**

The meeting was adjourned at 11:13 am.

**Memo for Program Changes**

To: UEC

From: (Ian Affleck, FSCC Chair)

Date: July 3 2019

**Subject: Program change (Bachelor of Science)**

1. Summary of changes (select all the apply):
  - ☐ Program revision that requires new resources
  - ☒ Addition of new course options or deletion or substitution of a required course
  - ☐ Change to the majority of courses in an approved program
  - ☐ Change to the duration, philosophy, or direction of a program
  - ☐ Addition of a new field of specialization, such as a concentration
  - ☐ Change in requirements for admission
  - ☐ Change in requirements for residency or continuance
  - ☐ Change in admission quotas
  - ☐ Change which triggers an external review
  - ☐ Deletion of a program not included in the Program Discontinuance policy
  - ☐ Other – Please specify:
2. Rationale for change(s): The Faculty of Science recognizes the value of experiential learning, and work integrated learning or cooperative education is just one mechanism for students to blend their academics with real world experience. This aligns with UFV's move towards experiential learning and also aligns the BSc with other degrees at UFV (BA, BIS) that now require or recognize professional competency. Physical geography, one major within the BSc also requires students demonstrate professional competency of which cooperative education is one option. Cooperative education has offered credit for their program (COOP 110-160) and the BSc will now recognize one course towards completion of the degree requirements.
3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: This change formally recognizes work integrated learning as an important element of the BSc and aligns with the ILOs including engaging in professional practices and contributing regionally and globally.
4. What consideration has been given to indigenizing the curriculum? Program delivery is reflective of indigenous practices and traditional ways of knowing. Courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.
5. Will additional resources be required? If so, how will these costs be covered? No
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program? The Co-op Education course is an additional option for students to use for their elective credits. Previously students were not able to use Co-op credits in the BSc.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline? No change
8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.) N/A
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. No change
10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget. N/A

**CWC comments and responses:**

- Additional rationale should be provided for UEC, including a pedagogical reason for this change.

*We are proposing that one Co-op term course (COOP 110) should be allowed to count as credit towards the BSc. This is in line with at least four of the priorities in the 2016-2020 Ed Plan:*

- ***"Prioritize Learning Everywhere:** UFV values the learning of faculty, students, staff, and community no matter when, where, or how it occurs... UFV works to create learning opportunities in communities both inside and outside of UFV."*

(Of course, the main way in which UFV directly values the learning of students is via course credits.)

- ***"Commit to Flexibility and Responsiveness:** UFV recognizes the importance of agility in its programs and administrative units — enabling us to adapt and respond to the diverse learning needs of our students, faculty, staff, and community. We will streamline organizational procedures and practices that limit creative problem solving."*

(The initial motivation for this proposed change came from a student request. After thorough consultation with the Science faculty members, we are responding to that request by making the requirements of the BSc more flexible.)

- ***"Collaborate Across Boundaries:** UFV supports and develops opportunities for collaborative and interdisciplinary work. ... involves collaboration with other educational institutions, community organizations, and industry, both locally and globally.*

- **"Integrate Experiential Learning:** UFV will incorporate opportunities for experiential learning both inside and outside of the university classroom. This may involve ... community placements ... and co-operative learning."

*The reason that we decided on allowing credit for at most one Co-op term is that a great deal of the valuable learning is imparted with preparation for and during the first placement. As they prepare for their first placement, students in Co-op learn a great deal about who are the potential employers once they graduate, what those employers are looking for, how to put together a CV that highlights their relevant scientific skills, and how to prepare for interviews. With an initial placement, they then learn a lot about what a job in their discipline can look like.*

*On subsequent placements, and in preparing for those, there will be some further learning, but not to the great extent that they student would see in their first placement - especially if they return to the same company for future placements.*

- The program requirements state that "Electives may be selected from any 100 or higher university-level course including up to one course from Co-op education", and the memo rationale notes that the Physical Geography major (and honours) requires students to demonstrate professional competency of which cooperative education is one option. Currently the professional competency requirement in the major is being met by the internship courses GEOG 396, 398, 310, 311, SOC 396 or 398. If the Co-op option is added to this list it should be clarified that the BSC will only allow one Coop course to apply to the program, either here or as an elective, but not both.

*We recognize that the calendar copy wording could be misinterpreted to suggest that a Co-op placement could be used for credit as an elective, then a second one could be attempted to be used for credit for a requirement of professional competency. That is not the intent. If credit is earned for one Co-op semester, it can slot into the student's My Grad Plan in some way (and can be used towards the professional competency requirement) but there will not be credit for a second Co-op placement. We suggest the following change of wording:*

*Replace:*

*"1. 120 applicable university-level credits, with a minimum GPA of 2.00. At least 30 of these university-level credits must be completed at UFV. Electives may be selected from any 100 or higher university level course including up to one course from the Co-op education program. "*

*with:*

*"1. 120 applicable university-level credits, with a minimum GPA of 2.00. At least 30 of these university-level credits must be completed at UFV. Electives may be selected from any 100 or higher university level course. Co-op course credit can be used towards the degree requirements but is limited to one course."*

# Bachelor of Science degree

## Co-operative Education option

The Co-operative Education option provides students with the opportunity to acquire paid, career-related work experience in conjunction with their studies in the Bachelor of Science and [Associate of Science](#) degree programs. See the [Co-operative Education](#) section for more details.

## Program requirements

To be eligible for the BSc students must satisfy the following general requirements:

1. 120 applicable university-level credits, with a minimum GPA of 2.00. At least 30 of these university-level credits must be completed at UFV. ~~Electives may be selected from any 100 or higher university level course, including up to one course from the Co-op education program.~~ Co-op course credit can be used towards the degree requirements but is limited to one course.
2. 44 upper-level credits with a minimum CGPA of 2.00, including a minimum CGPA of 2.00 in upper-level credits for each major or minor subject.
3. Declaration of a major/minor by the completion of 60 credits (see Notes).
4. MATH 111 and either MATH 112 or MATH 118
5. At least one of the following pairs:
  - o BIO 111 and 112
  - o CHEM 113 and 114
  - o PHYS 111 and 112
6. Any two courses from the following: university-level ENGL, CMNS 125, or any CMNS course numbered 235 or above; or ARTS 100.
7. Discipline requirements for at least one of a science honours, science major, or double science minor. [See above](#) for available honours, majors, and minors.

Note 1: Students who fail to ~~declare~~[redeclare](#) a major/minor by the completion of 60 credits may be removed from the program. Students who are undecided should consult with an Advisor regarding their options.

Note 2: Students who wish to complete a major and a minor may need to complete more than 120 credits to complete their degree.

**Memo for Course Changes**

To: FSCC, SFC, and UEC

From: Ian Affleck, Department Head (Mathematics & Statistics)

Date: June 21, 2019

**Subject: Proposal for revision of MATH 339, MATH 345, and MATH 355**

1. Summary of changes (select all that apply):

- ☐ Six-year review
- ☐ Number and/or course code
- ☒ Credits and/or total hours (MATH 345 and MATH 355)
- ☐ Title
- ☐ Calendar description
- ☒ Prerequisites and/or co-requisites (MATH 339, MATH 345 and MATH 355)
- ☐ Frequency of course offering
- ☐ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change:

The total contact hours for MATH 345 and MATH 355 is being clarified as 50 hours, in line with all other Math and Stats courses which meet 5\*80 minutes every two weeks (or equivalent) during a standard semester.

The prerequisite for each of the three courses (MATH 339, MATH 345, MATH 355) included MATH 265 *with a C or better*. The prerequisites for MATH 345 also required MATH 211 and MATH *with a C or better* in each. We don't believe that a grade of C or better is necessary in any of these cases: the standard prerequisite score of C- or better suffices in each case. There are two reasons for this:

- In each case, the 300-level course doesn't build directly on the material in any of the 200-level prerequisites. Rather, certain elements of the 200-level prerequisites are relevant for some topics in the 300-level course, in each case.
- Until recently, our department assigned a letter grade of C- for percentage grades of 55-59%, and a letter grade of C for percentage grades of 60-64%. We now assign a grade of C- for percentage grades of 60-62%, so the percentage score required in each of the 200-level courses in order to be used as a prerequisite in each of the 300-level courses is not in fact being lowered.



3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):  
N/A
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?  
N/A
5. Which program areas have been consulted about the change(s)?  
N/A
6. What consideration has been given to indigenizing the curriculum?  
Changes are not substantial. Indigenization efforts in the department take place primarily at the program and the pedagogy level.
7. If this course is not eligible for PLAR, explain why:  
N/A
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value - N/A
  - b. Class size limit - N/A
  - c. Frequency of offering - N/A
  - d. Resources required (labs, equipment) - N/A
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?  
N/A
10. Estimate of the typical costs for this course, including textbooks and other materials:  
Approximately \$150 (textbook) for each of the three courses.



ORIGINAL COURSE IMPLEMENTATION DATE: September 2006  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): December 2024  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> MATH 339                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Course Full Title:</b> Introduction to Field Theory and Applications<br><b>Course Short Title:</b> Field Theory and Applications                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Calendar Description:</b><br>An introduction to fields and rings, two of the fundamental structures of modern algebra, with special attention to applications. Applications covered include public key cryptography, error-correcting codes, and geometric construction arguments.                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | MATH 221 and MATH 265.                                                                                                                                                                                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | NONE                                                                                                                                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | NONE                                                                                                                                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                           |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                            |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>50</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                    | 50 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Transfer Credit</b><br>Transfer credit already exists: (See <a href="#">bctransferguide.ca</a> .)<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50        |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>50</b> |                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Semi-annually <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Department / Program Head or Director:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> June 18, 2019                                                                                                                                                                                                                                                      |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                    |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Dean/Associate VP:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                    |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |

**MATH 339**

**University of the Fraser Valley Official Undergraduate Course Outline**

**Page 2 of 2**

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Establish elementary ring-theoretic and field-theoretic propositions and construct counterexamples.
2. Perform elementary number-theoretic computations and establish elementary number-theoretic propositions.
3. Define ring isomorphism and establish isomorphism or non-isomorphism between rings.
4. State and establish elementary propositions relating irreducibility, roots and factorization in polynomial rings over a field.
5. Compute GCDs, test for irreducibility and factor in a polynomial ring.
6. Construct extension fields as a quotient of a polynomial ring over the ground field and perform computations there.
7. Establish elementary propositions regarding extension fields concerning algebraicity, minimal polynomial and degree.
8. Explicate the degree requirements on numbers geometrically constructible over  $\mathbb{Q}$  and hence the impossibility of certain geometric constructions.
9. Define and determine primitive elements of a finite field and establish elementary facts about them.
10. Determine if a polynomial over a finite field is primitive and elucidate the connection with primitive elements.
11. Construct block codes as polynomial codes, use them to detect and correct errors, and prove elementary propositions regarding them.
12. Establish the existence of finite fields of prime power order.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

The course will be primarily lecture-based, along with student seminar presentations.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

| Author (surname, initials) | Title (article, book, journal, etc.)                 | Current ed.              | Publisher       | Year |
|----------------------------|------------------------------------------------------|--------------------------|-----------------|------|
| 1. RS Irving               | Integers, Polynomials and Rings: A Course in Algebra | <input type="checkbox"/> | Springer Verlag | 2004 |
| 2. Gilbert & Nicholson     | Modern Algebra and Applications                      | <input type="checkbox"/> | Wiley           | 2004 |
| 3.                         |                                                      | <input type="checkbox"/> |                 |      |
| 4.                         |                                                      | <input type="checkbox"/> |                 |      |
| 5.                         |                                                      | <input type="checkbox"/> |                 |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 40% | Assignments: | 25% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 35% | Project:     | %   | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

- Review of basic number theory (primes, divisibility, modular arithmetic) (Topics covered in MATH 265)
- Rings and Fields
- Examples already known: integers, reals, matrices, polynomials, etc.
- Definitions and further examples including the integers modulo  $n$
- Subrings/Subfields
- Polynomial rings: the algebra of polynomials (over integers, rationals, reals, complexes, finite fields), roots, factorization, irreducibility tests.
- Review of vector spaces over a field
- Extension fields: Construction via quotients of polynomial rings, Fundamental Theorem of Algebra, Splitting fields, minimal polynomials, degree of extensions, Field isomorphisms
- Finite fields: Existence, construction, structure and subfield structure.
- Primitive elements, primitive polynomials Applications: Latin squares, error-correcting codes, geometric constructions



ORIGINAL COURSE IMPLEMENTATION DATE: September 2006  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2020  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> MATH 345                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Course Full Title:</b> Modern Geometries                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Course Short Title:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Calendar Description:</b><br>Euclidean and non-Euclidean geometries, such as projective geometry, spherical geometry, and hyperbolic geometry, including transformations, symmetries, and applications                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | MATH 211, MATH 221, and MATH 265.                                                                                                                                                                                                                                             |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | NONE                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | NONE                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                           |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>50</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                         | 50 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Transfer Credit</b><br>Transfer credit already exists: (See <a href="#">bctransferguide.ca</a> .)<br><input type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50        |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>50</b> |                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>alternate years <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Department / Program Head or Director:</b> Cynthia Loten                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> June 18, 2019                                                                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Dean/Associate VP:</b> Lucy Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                      |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                |  |

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Explain the foundations of Euclidean and at least 3 different non-Euclidean geometries – e.g., projective, hyperbolic, and spherical.
2. State precise definitions of fundamental concepts in the geometries studied.
3. Prove basic theorems in geometry.
4. Classify transformations and symmetries in different geometries.
5. Discuss properties of various transformations, including invariants.
6. Discuss the general notions of distance and geodesics, independent of any particular geometry.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

The course will be primarily lecture-based.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

| Author (surname, initials)                 | Title (article, book, journal, etc.)                       | Current ed.              | Publisher                       | Year |
|--------------------------------------------|------------------------------------------------------------|--------------------------|---------------------------------|------|
| 1. G.A. Jennings                           | Modern Geometry with Applications                          | <input type="checkbox"/> | Springer-Verlag<br>Universitext | 1994 |
| 2. J.N. Cederberg                          | A course in Modern Geometries                              | <input type="checkbox"/> | Springer                        | 2001 |
| 3. P.J. Ryan                               | Euclidean And Non-Euclidean Geometry: An Analytic Approach | <input type="checkbox"/> | Cambridge<br>University Press   | 1996 |
| 4. D.A. Brannan, M.F. Esplen,<br>J.J. Gray | Geometry                                                   | <input type="checkbox"/> | Cambridge<br>University Press   | 2012 |
| 5. Carroll and Rykken                      | Geometry: The Line and the Circle                          | <input type="checkbox"/> | MMA Press                       | 2018 |

**Required Additional Supp**

**lies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

Possible computer software: Geometer's Sketchpad, NonEuclid (freeware), Maple.

**Typical Evaluation Methods and Weighting**

|             |     |              |     |               |     |            |   |
|-------------|-----|--------------|-----|---------------|-----|------------|---|
| Final exam: | 40% | Assignments: | 25% | Midterm exam: | 35% | Portfolio: | % |
|-------------|-----|--------------|-----|---------------|-----|------------|---|

**Details (if necessary):** Students must achieve at least 40% on the final exam in order to receive credit for this course

**Typical Course Content and Topics**

**Euclidean geometry:**

- n-dimensional Euclidean space
- Isometries: reflections, rotations, and translations
- The parallel postulate, angles, and the Pythagorean theorem
- Symmetries

**Projective geometry:**

- Projective coordinates
- Projective line, plane, and n-space
- Projective transformations
- Perspective drawing, Desargues' theorem
- Homogeneous polynomials, algebraic curves

**Hyperbolic geometry:**

- Parallels in hyperbolic geometry Area and angular defect
- Circles and distance Poincare's model
- Hyperbolic transformations

**Spherical geometry:**

- Geodesics on spheres
- Spherical triangles
- Spherical symmetries
- Application: mapmaking

**Other geometries:**

- Fractal geometry
- Spacetime geometry



ORIGINAL COURSE IMPLEMENTATION DATE: September 2002  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): February 2021  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> MATH 355                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Course Full Title:</b> Number Theory and Applications<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Calendar Description:</b><br>An introduction to the fundamental properties of the integers and their consequences, with applications in computation, cryptography, and communications. Topics include primes and GCDs, congruence, (modular arithmetic), and applications (hashing functions, check digits), factorization methods, and cryptology.                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | MATH 265.                                                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | NONE                                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | NONE                                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                           |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>50</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                           | 50 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50        |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>50</b> |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="#">bctransferguide.ca</a>.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit                                                                                                                                                                                                                            |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Every 2 to 3 years <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                  |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Department / Program Head or Director:</b> Cynthia Loten                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> June 18, 2019                                                                                                                                                                                                                                                                                                             |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Dean/Associate VP:</b> Lucy Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                               |  |

**Learning Outcomes:**

1. Upon successful completion of this course, students will be able to: Precisely design the central concepts and results of elementary number theory such as prime number, gcd, Fundamental Theorem of Arithmetic, the Chinese Remainder Theorem, and Euler's Theorem.
2. Construct proofs, examples, and counterexamples concerning these concepts and their interrelations.
3. Apply the theory of congruences to other problems (for example, constructing divisibility tests, solving linear Diophantine equations, polynomial congruences, and systems of linear congruences).
4. Precisely define and implement applications of the ideas above to techniques such as cryptography and error correction. Perform all the necessary computations by hand (in principle) and in a computer algebra environment such as Maple or Sage.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

This course will be primarily lecture based, with some computational support provided by a computer algebra system such as Maple or Sage. This course is well-suited to student presentations, if feasible (depending on class size).

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

| Author (surname, initials) | Title (article, book, journal, etc.)          | Current ed.              | Publisher      | Year |
|----------------------------|-----------------------------------------------|--------------------------|----------------|------|
| 1. Kenneth H Rosen         | Elementary Number Theory and its Applications | <input type="checkbox"/> | Addison Wesley | 2011 |
| 2. GA Jones & JM Jones     | Elementary Number Theory (SUMS series book)   | <input type="checkbox"/> | Springer       | 1998 |
| 3. JK Strayer              | Elementary Number Theory                      | <input type="checkbox"/> | Waveland Press | 2002 |
| 4.                         |                                               | <input type="checkbox"/> |                |      |
| 5.                         |                                               | <input type="checkbox"/> |                |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 40% | Assignments: | 20% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 30% | Project:     | %   | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 10% | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

**Details (if necessary):** Students must achieve at least 40% on the final exam in order to receive credit for this course.

**Typical Course Content and Topics**

- Fundamental properties of the integers; divisibility and factorization (prime numbers, gcds, Euclidean algorithm, Fundamental Theorem of Arithmetic, factorization methods, linear Diophantine equations)
- Congruences (linear congruences, Chinese remainder theorem, polynomial congruences, systems of linear congruences)
- Applications of congruences (divisibility tests, hashing functions, check digits)
- Special congruences (Fermat's and Euler's Theorem, Wilson's Theorem, pseudoprimes (applications to primality testing))
- Number-theoretic functions (Multiplicative functions, Euler's phi-functions, Mobius Inversion, perfect numbers, Mersenne primes)
- Cryptology (block ciphers, exponentiation ciphers, public key cryptography, knapsack ciphers)
- Computer algebra systems for number theory (Maple, Yacas, Sage, Maxima, PARI/GP)
- Additional topics as time permits such as: Gaussian integers and norms (sums of squares), quadratic reciprocity, continued fractions, primitive roots (order of an integer, existence of primitive roots, primality tests)

**Memo for Course Changes**

To: FSCC, SFC, and UEC

From: Ian Affleck, Department Head (Mathematics & Statistics)

Date: July 10, 2019

Subject: Proposal for revision of MATH 410: History of Mathematics

**1. Summary of changes (select all that apply):**

- ☒ **Six-year review**
- ☐ Number and/or course code
- ☒ **Credits and/or total hours**
- ☐ Title
- ☒ **Calendar description**
- ☐ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☒ **Learning outcomes**
- ☒ **Delivery methods and/or texts and resource materials**
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

**2. Rationale for change:**

This is a six-year review.

- The calendar description has been shortened as per UFV guidelines.
- The list of learning outcomes has been edited, but the learning outcomes for the course have not substantially changed.
- The number of contact hours has been clarified to be 50, in alignment with other 3-credit MATH and STAT courses, which have five 80-minute meetings every two weeks throughout a standard semester, or equivalent.
- The list of typical texts and resource materials has been updated.

**3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):**

N/A

**4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?**

MATH 410 is not required in any programs. It's an upper-level option in most Mathematics programs (Major, minors, extended minor).



**5. Which program areas have been consulted about the change(s)?**

No program areas outside of Mathematics and Statistics have been consulted about the change.

**6. What consideration has been given to indigenizing the curriculum?**

Under Typical Course Content and Topics, it is now noted that the course typically includes the study of “Indigenous mathematical systems”, rather than “Native American mathematics”. We feel this better describes the potential sources of reference for this topic.

**7. If this course is not eligible for PLAR, explain why:**

N/A

**8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:**

- a. Credit value
- b. Class size limit
- c. Frequency of offering
- d. Resources required (labs, equipment)

N/A

**9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?**

N/A

**10. Estimate of the typical costs for this course, including textbooks and other materials:**

Typical cost beyond tuition is \$175, for a textbook.

**CWC comment and response:**

- Should prerequisites be updated to include STAT courses as well as MATH courses?

*No. Students need to take classes where they learn historically significant mathematics (like Calculus), abstract mathematical concepts, and methods of proof. Stats courses are much more skill based and contemporary.*



ORIGINAL COURSE IMPLEMENTATION DATE: September 2004  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): November 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> MATH 410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                  |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> History of Mathematics<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Surveys the development of mathematical thought from antiquity to the present day. Students will examine historically significant writings, important contributions and famous problems stemming from a variety of cultures. Mathematical material will be considered within the cultural and historical context.<br><br>Note: Recommended for students considering a career in teaching as well as those wishing to know how their math courses fit into general and intellectual history. |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | 21 credits in mathematics courses numbered above 110.                                                                                                                                                                                                                                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                                      |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                                                |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="http://bctransferguide.ca">bctransferguide.ca</a>.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>50</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table>            |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                   | 50 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 50        |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>50</b> |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Maximum enrolment (for information only):</b> 24<br><b>Expected Frequency of Course Offerings:</b><br>Every second year <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> June 18 2019                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                                                                                                |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Discuss verbally and in writing significant milestones in the development of mathematics.
2. State the major contributions of prominent mathematicians (or groups of mathematicians) and situate them in time and place.
3. Outline the structure and content of historically significant mathematical writings.
4. Explain how major developments in mathematics arose out of, and in turn affected, contemporary issues.
5. Demonstrate, on paper and in front of the class, the solutions of some historically important mathematical problems, using techniques available at the time.
6. Give demonstrations or lead class discussions about topics on which they have done individual research.

Students will also learn to find information in the subject area and to compare the reliability of various sources.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

This course will involve both lectures and seminars. Students will be required to make short presentations and will be expected to contribute significantly to class discussions. Students will be expected to do extensive reading. Guest speakers and films will be incorporated where appropriate. Evaluation will include participation, assignments (mathematical and non-mathematical), a midterm test, a project, and a final exam.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

|    | <b>Author (surname, initials)</b> | <b>Title (article, book, journal, etc.)</b>              | <b>Current ed.</b>               | <b>Publisher</b> | <b>Year</b> |
|----|-----------------------------------|----------------------------------------------------------|----------------------------------|------------------|-------------|
| 1. | Katz, Victor J                    | <i>A History of Mathematics: An Introduction.</i>        | 3rd ed. <input type="checkbox"/> | Addison Wesley   | 2008        |
| 2. | Kline, Morris                     | <i>Mathematical Thought from Ancient to Modern Times</i> |                                  | Oxford UP        | 1990        |
| 3. |                                   |                                                          |                                  |                  |             |
| 4. |                                   |                                                          |                                  |                  |             |
| 5. |                                   |                                                          |                                  |                  |             |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

Students will be expected to make use of internet resources and UFV library resources, including inter-library loans.

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |                       |      |
|----------------|-----|--------------|-----|-------------------|---|-----------------------|------|
| Final exam:    | 35% | Assignments: | 20% | Field experience: | % | Portfolio:            | %    |
| Midterm exam:  | 15% | Project:     | 20% | Practicum:        | % | Other (presentation): | 10%  |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:                | 100% |

**Details (if necessary):**

The weighting of the various components may vary from instructor to instructor and from year to year, although there must be a comprehensive final exam worth from 30% to 50% of the final grade. Students must obtain at least 40% on the final exam in order to pass the course.

**Typical Course Content and Topics**

1. Prehistoric beginnings; the idea of number.
2. Counting, calculation, astronomy, geometry, and problem solving in ancient civilizations, including Mesopotamian, Chinese, Egyptian, Indian.
3. Indigenous mathematical systems (Maya, Inca and others): numerals, numerical systems, quipu, geometry
4. Greek mathematics: abstraction, geometry, number theory, conics, and algebra.
5. Medieval mathematics in China, India, the Islamic world, and Europe.
6. The Renaissance in Europe: trigonometry, more algebra, logarithms; relationships between mathematics and the arts, navigation, and astronomy of the era.
7. The development of calculus from analytic geometry to complex analysis.
8. Origins and development of probability and statistics.
9. The rise of abstract algebra.
10. Number theory from the Greeks to today.
11. Topics in twentieth century mathematics (e.g. set theory, topology, influence of computers, game theory).

**Memo for Course Changes**

To: FSCC, SFC, and UEC

From: Ian Affleck, Department Head (Mathematics & Statistics)

Date: June 21, 2019

**Subject: Proposal for revision of STAT 330**

1. Summary of changes (select all that apply):

- ☒ Six-year review
- ☐ Number and/or course code
- ☒ Credits and/or total hours
- ☐ Title
- ☒ Calendar description
- ☐ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☒ Learning outcomes
- ☒ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change:

This is a routine 6-year review, and there are no major proposed changes to the course.

- The calendar description was shortened as per UFV policy.
- The contact hours have been clarified to reflect the fact that the course meets 5\*80 minutes every two weeks, or equivalent (approx. 50 hours total), with one meeting every two weeks in a computer lab (approx. 10 supervised laboratory hours).
- The Learning Outcomes have been rephrased as per UFV policy.
- The textbook editions have been updated.

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):

N/A

4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?

N/A

5. Which program areas have been consulted about the change(s)?

N/A

6. What consideration has been given to indigenizing the curriculum?  
Changes are not substantial. Indigenization efforts in the department take place primarily at the program and the pedagogy level.
7. If this course is not eligible for PLAR, explain why:  
N/A
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value - N/A
  - b. Class size limit - N/A
  - c. Frequency of offering - N/A
  - d. Resources required (labs, equipment) - N/A
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?  
N/A
10. Estimate of the typical costs for this course, including textbooks and other materials:  
Approximately \$150 (textbook)



ORIGINAL COURSE IMPLEMENTATION DATE: May 1994  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): November 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|----|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> STAT 330                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Design of Experiments<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Designing experiments, including factorial, $2^k$ , fractional and blocked experiments, confounding, fixed effects, random effects, mixed effects models, variance components. Statistical software is used for data analysis. Students design their own experiments and write a report on the resulting collection and analysis of data.                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | One of the following: STAT 104 with a B+ or better, STAT 106 with a B or better, STAT 270, or STAT 271.                                                                                                                                                                                                                                         |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number: <b>MATH 330</b><br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                             |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                   |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="#">bctransferguide.ca</a>.)</i><br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>40</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>10</td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                           | 40 | Tutorials/workshops |  | Supervised laboratory hours | 10 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 40        |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10        |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>50</b> |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Every 2nd year <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date approved:</b> June 18 2019                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

## Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Use one-factor, two-factor and higher order factorial designs
2. Explain the reasoning and importance of the basic experimental practices of randomization, blocking, confounding, and replication;
3. Use fixed effects, random effects, and mixed effects models and demonstrate the differences;
4. Use designs with blocking factors
5. Use  $2^k$  designs, including blocked and fractional  $2^k$  designs
6. Identify the alias structure and resolution of fractional  $2^k$  designs
7. Use a statistical software package to analyze data from all experiments
8. Design an experiment, collect the data, analyze the data, and write a report, including recommendations for future research

## Prior Learning Assessment and Recognition (PLAR)

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Lectures, computer work, discussion both in and out of class, group work for project.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

## Typical Text(s) and Resource Materials (*If more space is required, download Supplemental Texts and Resource Materials form.*)

The textbook is chosen by a departmental curriculum committee. Recent texts used:

| Author (surname, initials) | Title (article, book, journal, etc.)                          | Current ed.              | Publisher | Year |
|----------------------------|---------------------------------------------------------------|--------------------------|-----------|------|
| 1. Montgomery, D.C.        | <i>Design and Analysis of Experiments, 9<sup>th</sup> ed.</i> | <input type="checkbox"/> | Wiley     | 2017 |

## References

|    |                                            |                                                         |                          |                  |      |
|----|--------------------------------------------|---------------------------------------------------------|--------------------------|------------------|------|
| 2  | Box, G.E.P., Hunter, W.G. and Hunter, J.S. | <i>Statistics for Experimenters. 2<sup>nd</sup> ed.</i> | <input type="checkbox"/> | Wiley            | 2005 |
| 3. | Fleiss, Joseph L.                          | <i>The Design and Analysis of Clinical Experiments</i>  | <input type="checkbox"/> | Wiley            | 1999 |
| 4. | Crowder, M.J. and Hand.                    | <i>Analysis of Repeated Measures</i>                    | <input type="checkbox"/> | Chapman and Hall | 1990 |
| 5. | Cox, D.R.                                  | <i>The Design of Experiments</i>                        | <input type="checkbox"/> | Wiley            | 1957 |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

## Typical Evaluation Methods and Weighting

|                |      |              |     |                   |   |            |      |
|----------------|------|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 45 % | Assignments: | 10% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 15%  | Project:     | 10% | Practicum:        | % | Other:     | 5%   |
| Quizzes/tests: | 15%  | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

## Details (if necessary):

The above percentages may vary among instructors and years. The final exam is comprehensive. Students must obtain at least 40% on the final exam in order to receive credit for this course.

## Typical Course Content and Topics

- Linearity: the assumptions of a linear model, linear effects and a linear error term. Randomisation.
- Experiments with one factor, fixed effects, random effects, estimation of model parameters, ANOVA, multiple comparisons
- Blocked designs: matched pairs, randomised complete blocks, Latin squares, multiple Latin squares, Graeco-Latin squares, balanced incomplete blocks,
- Factorial designs:  $2^k$  designs. Yates' plussing and minussing, Daniels' method of plotting to select contrasts of interest in saturated designs.
- Blocking in  $2^k$  designs, fractional factorial designs, confounding and aliasing. Selecting a fractional factorial design, implications of the selection, replication. Designs of Resolution R.
- Variance components: variance component models in balanced designs, construction of appropriate models, interpretation of tests, confidence intervals for fixed effects.
- If time allows: Response surface methods: use and estimation of local quadratic approximations, the search for an optimum.
- Cross-over designs: conditions under which they are appropriate, analysis and interpretation.
- Split-plot designs: common repeated measure designs and corresponding uni-variate models and analysis.

**Memo for Course Changes**

To: FSCC, SFC, and UEC

From: Ian Affleck, Department Head (Mathematics & Statistics)

Date: June 21, 2019

**Subject: Proposal for revision of STAT 430**

1. Summary of changes (select all that apply):

- ☒ Six-year review
- ☐ Number and/or course code
- ☒ Credits and/or total hours
- ☐ Title
- ☒ Calendar description
- ☐ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☐ Learning outcomes
- ☒ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☒ Other – Please specify: Antirequisites

2. Rationale for change:

This is a routine 6-year review, with no major changes.

- The calendar description was shortened as per UFV policy.
- The contact hours have been clarified to reflect the fact that the course meets 5\*80 minutes every two weeks, or equivalent (approx. 50 hours total), with all meetings in a computer lab.
- The textbook editions have been updated.

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):

N/A

4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?

N/A

5. Which program areas have been consulted about the change(s)?

N/A



6. What consideration has been given to indigenizing the curriculum?  
Changes are not substantial. Indigenization efforts in the department take place primarily at the program and the pedagogy level.
7. If this course is not eligible for PLAR, explain why:  
N/A
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value - N/A
  - b. Class size limit - N/A
  - c. Frequency of offering - N/A
  - d. Resources required (labs, equipment) - N/A
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?  
N/A
10. Estimate of the typical costs for this course, including textbooks and other materials:  
Approximately \$150 (textbook)



ORIGINAL COURSE IMPLEMENTATION DATE: January 2006  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): November 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-----------------------------|----|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> STAT 430                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Time Series and Forecasting<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Introduces the basic ideas of time series analysis and forecasting methods. Topics include stationarity, autocovariance, autocorrelation and partial autocorrelation functions, and the Box-Jenkins classical models. Focuses on the practical implementation of the methods and analysis of real-life time series data using statistical software.                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | STAT 315 or STAT 271.                                                                                                                                                                                                                                                                                                                           |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number: <b>MATH 390, MATH 430</b><br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                 |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                   |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                        |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="#">bctransferguide.ca</a>.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td></td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>50</td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                           |  | Tutorials/workshops |  | Supervised laboratory hours | 50 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50        |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>50</b> |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Every two years                                                                                                                                                                                                                        |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> June 18 2019                                                                                                                                                                                                                                                                                                              |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                                                                        |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Show whether a time series is stationary or not;
2. Calculate the autocovariance, autocorrelation and partial autocorrelation functions of an ARMA process;
3. Determine the conditions for the causality and invertibility of an ARMA process;
4. Forecast the future values or estimate a missing value of a given time series based on the criterion of minimum mean squared error;
5. Establish the Yule-Walker equation and find the estimates of the parameters;
6. Use computer software to fit an ARIMA model to a given time series using the AICC criterion, with diagnostic checking and tests for randomness of the residuals;
7. Construct appropriate ARIMA models for non-stationary time series;
8. Formulate and forecast seasonal ARIMA models;
9. Complete a group project, analysing the time series data in a real-life situation.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Lectures and computer labs using appropriate computer software, e.g., SAS Time Series Studio, MINITAB and spreadsheets.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

|    | Author (surname, initials)      | Title (article, book, journal, etc.)                          | Current ed.              | Publisher | Year |
|----|---------------------------------|---------------------------------------------------------------|--------------------------|-----------|------|
| 1. | Brockwell, P.J. and Davis, R.A. | Introduction to Time Series and Forecasting. Third edition.   | <input type="checkbox"/> | Springer  | 2016 |
| 2. | Box, G.E.P. et al.              | Time Series Analysis, Forecasting and Control. Fifth edition. | <input type="checkbox"/> | Wiley     | 2015 |
| 3. |                                 |                                                               | <input type="checkbox"/> |           |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 40% | Assignments: | 20% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 20% | Project:     | 20% | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

**Details (if necessary):**

The above percentages may vary among instructors and years. The final exam is comprehensive. Students must achieve at least 40% on the final exam in order to pass this course.

**Typical Course Content and Topics**

First notions: methods of forecasting, differencing, regression, moving averages, Fourier methods, trend, seasonality, classical decomposition model.

Stationary processes: covariance, weakly stationary, strictly stationary, basic properties, white noise, moving-average MA(q) processes, auto-regressive AR(p) processes, linear processes, sample covariance matrix, Bartlett's formula.

ARMA models: auto-regressive moving-average ARMA(p,q) processes, calculations of the autocovariance function, autocorrelation function and partial autocorrelation function, causality, invertibility.

Minimum mean squared error forecasts: the best linear predictor, n-step prediction, prediction of second-order random variables, estimation of a missing value.

Modeling and forecasting with ARMA processes: Yule-Walker estimation, Burg's algorithm, innovations algorithm, Hannan-Rissanen algorithm, maximum likelihood estimation, diagnostic checking, tests for randomness of the residuals, forecasting, order selection, FPE criterion, AICC criterion.

Non-stationary and seasonal time series models: auto-regressive integrated moving average ARIMA(p,d,q) models for non-stationary time series, identification techniques, Box-Cox transformation, unit roots in autoregressions, unit roots in moving averages, the forecast function, seasonal ARIMA models, regression with ARMA errors.

Holt-Winter's seasonal and ARIMA forecasting.

**Memo for Course Changes**

To: FSCC, SFC, and UEC

From: Ian Affleck, Department Head (Mathematics & Statistics)

Date: June 21, 2019

**Subject: Proposal for revision of STAT 470**

1. Summary of changes (select all that apply):

- ☒ Six-year review
- ☐ Number and/or course code
- ☒ Credits and/or total hours
- ☐ Title
- ☒ Calendar description
- ☒ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☒ Learning outcomes
- ☒ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change:

This is a routine 6-year review, with no major changes.

- The calendar description was rephrased to reflect changes in the Learning Outcomes, and shortened as per UFV policy.
- Reference to the prerequisite option MATH 302 has been removed, as this course hasn't been in existence for a long time. Even if a student has MATH 302 in their academic background, they should update their statistical knowledge and software skills by taking one of the three remaining prerequisite options.
- The contact hours have been clarified to reflect the fact that the course meets 5\*80 minutes every two weeks, or equivalent (approx. 50 hours total), with all meetings in a computer lab.
- There are some changes to the Learning Outcomes. Two topics are being added to the content of the course ("Hotelling's T-squared" and "MANOVA") and one is being removed ("canonical correlations"), to ensure that the most appropriate content is being included in the course. These changes are also reflected in Typical Course Content.
- The textbook editions have been updated.

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):

Hotelling's T-squared and MANOVA are some of the basic topics in applied multivariate statistical analysis, but they are missing in the current course content. Hence these two topics are proposed to be added to it. The topic on canonical correlations, however, is less important and the class time is limited, so this topic is proposed to be removed from the course content.

4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?

This course is not required in any program.

5. Which program areas have been consulted about the change(s)?  
N/A

6. What consideration has been given to indigenizing the curriculum?

Changes are not substantial. Indigenization efforts in the department take place primarily at the program and the pedagogy level.

7. If this course is not eligible for PLAR, explain why:  
N/A

8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:

- a. Credit value - N/A
- b. Class size limit - N/A
- c. Frequency of offering - N/A
- d. Resources required (labs, equipment) - N/A

9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?

N/A

10. Estimate of the typical costs for this course, including textbooks and other materials:

Approximately \$150 (textbook)



ORIGINAL COURSE IMPLEMENTATION DATE: January 1994  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): November 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-----------------------------|----|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> STAT 470                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Applied Multivariate Statistical Analysis<br><b>Course Short Title:</b> Applied Multivariate Analysis<br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Focuses on a range of widely-used multivariate statistical techniques, their relationship with familiar univariate methods, and the solution to practical problems using statistical software. Topics include Hotelling's $T^2$ , MANOVA, multivariate regression, principal components, factor analysis, and discrimination and classification analysis.                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | One of the following: STAT 271, STAT 315, or STAT 330.                                                                                                                                                                                                                                                                                          |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number: <b>MATH 470</b><br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                           |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                   |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                        |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="#">bctransferguide.ca</a>.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td></td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>50</td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                           |  | Tutorials/workshops |  | Supervised laboratory hours | 50 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50        |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>50</b> |                                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Every two years                                                                                                                                                                                                                        |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> June 18, 2019                                                                                                                                                                                                                                                                                                             |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                           |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                                                                        |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

1. Use Hotelling's  $T^2$  to test a plausible value of a multivariate normal population mean;
2. Construct confidence regions, simultaneous confidence statements, and Bonferroni intervals for a normal population mean;
3. Test the equality of two population mean vectors;
4. Test the equality of three or more population mean vectors;
5. Develop the notion and techniques used in multiple linear regression to multivariate multiple linear regression;
6. Perform principal component analysis to transform a number of possibly correlated variables into a number of uncorrelated variables;
7. Perform factor analysis to describe variability among observed variables in terms of a potentially lower number of unobserved variables;
8. Discriminate observations into two or more labeled classes and assign new observation to the labeled classes;
9. Use statistical software to analyze multivariate data.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Lectures, class discussion, use of statistical software in computing labs.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

The textbook is chosen by a departmental curriculum committee. Recent text used:

| Author (surname, initials) | Title (article, book, journal, etc.)                      | Current ed.                         | Publisher | Year |
|----------------------------|-----------------------------------------------------------|-------------------------------------|-----------|------|
| 1. Johnson and Wichern     | Applied Multivariate Statistical Analysis. Sixth edition. | <input checked="" type="checkbox"/> | Pearson   | 2019 |
| 2.                         |                                                           | <input type="checkbox"/>            |           |      |
| 3.                         |                                                           | <input type="checkbox"/>            |           |      |
| 4.                         |                                                           | <input type="checkbox"/>            |           |      |
| 5.                         |                                                           | <input type="checkbox"/>            |           |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 40% | Assignments: | 20% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | %   | Project:     | 10% | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 30% | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

**Details (if necessary):**

The above percentages may vary among instructors and years. The final exam is comprehensive. Students must obtain at least 40% on the final exam in order to receive credit for this course.

**Typical Course Content and Topics**

1. Introduction to multivariate data: graphical presentation, mean vector, variance covariance matrix, and correlation matrix.
2. Inference about a mean vector: Hotelling's  $T^2$ , confidence regions, simultaneous confidence statements, Bonferroni intervals.
3. Compare mean vectors from two normal populations: assumptions, test equality of two mean vectors, simultaneous confidence intervals.
4. Compare several population mean vectors (one-way MANOVA): assumptions, Wilks' lambda, test equality of three or more mean vectors.
5. Multivariate multiple linear regression: least squares estimation, inference for the parameters of the model, model diagnostics, checking the validity of the model.
6. Principal component analysis: Population principal components, summarizing sample variation using principal components analysis, large sample inference.
7. Factor analysis: the orthogonal factor model, factor estimation, factor rotation, factor scores, perspectives and strategy for factor analysis.
8. Discrimination and classification: separation and classification for two populations, Fisher's discrimination method, classification with several populations.

**Memo for New Course**

To: FSCC, SFC, UEC

From: Ian Affleck, Math & Stats Department Head

Date: August 26, 2019

**Subject: Proposal for new course (STAT 307---Data Visualization)**

1. Rationale for new course: Most (if not all) data analytics and data science programs in post-secondary institutions have a course in data visualization. Our Data Analysis Certificate (DAC) program at UFV is lacking such a course. The new course will enhance the competence of job seeking for our students.
2. How this new course fits into program(s): This new course can serve as one of the elective courses in DAC as well as in the Applied Stats Minor program. It can be offered in the Winter semester, in order for students to become proficient with the skills and software before the Summer semester – in which most will either graduate or apply for Co-op work placements.

*Note: Adding this course to a program will usually require a program change request.*

3. Explain how the course learning outcomes align with the learning outcomes of the program(s):

The course learning outcomes align with the following learning outcomes of the program:

Graduates will:

- (S1) apply techniques of statistical modeling to formulate and solve real-world problems;
- (S2) use data analysis skills to analyze real-life data;
- (S3) communicate their results effectively to others, including non-experts;
- (S6) use modern statistical computer tools to gain hands-on experience with analyzing diverse data types;
- (S10) employ the project management skills to effectively manage development projects that involve computer hardware, software and telecommunications technology.

The computer software Tableau Public will be used in the course and can be downloaded for free. This aligns with one of the external panel's recommendations in the six-year review of the Mathematics and Statistics department:

- 10. The department should expand and refine its use of technology in its teaching, where possible making use of resources that come at little or no cost to students.

4. Will this course be required by any program beyond the discipline? If so, how will this course affect that program or programs? No
5. Which program areas have been consulted about the course? CIS Department
6. If a new discipline designation is required, explain why: N/A
7. What consideration has been given to indigenizing the curriculum?  
Indigenization efforts in the department take place primarily at the program and the pedagogy level.



8. If this course is not eligible for PLAR, explain why: N/A
9. Explain how each of the following will affect the budget for your area or any other area:
  - a. Credit value ---3
  - b. Class size limit ---28
  - c. Frequency of offering ---annually
  - d. Resources required (labs, equipment) All classes will be held in computer lab. Tableau Public can be downloaded for free in this course.
10. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? N/A
11. Estimate of the typical costs for this course, including textbooks and other materials:

Approximately \$100 for a textbook



ORIGINAL COURSE IMPLEMENTATION DATE: September 2020  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): November 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|---------------------|--|-----------------------------|----|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|
| <b>Course Code and Number:</b> STAT 307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Course Full Title:</b> Data Visualization<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Calendar Description:</b><br>Communicate data to different audiences by creating and presenting data visualizations. Develop static, interactive, and animated charts and place them on a dashboard to convey a specific message or to let the audience explore the data by themselves. Tableau is used to design the data visualizations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | One of the following: STAT 104 with a B or better, STAT 106, or STAT 270.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i><br><b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="#">bctransferguide.ca</a>.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i><br><b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit<br><b>Maximum enrolment (for information only):</b> 28<br><b>Expected Frequency of Course Offerings:</b><br>Annually <i>(Every semester, Fall only, annually, etc.)</i> |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Typical Structure of Instructional Hours</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 80%;">Lecture/seminar hours</td> <td style="width: 20%;"></td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td style="text-align: right;"><b>Total hours</b></td> <td style="text-align: center;"><b>50</b></td> </tr> </table> Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lecture/seminar hours |  | Tutorials/workshops |  | Supervised laboratory hours | 50 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>50</b> |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Date approved:</b> August 28, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Dean/Associate VP:</b> Lucy Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Date approved:</b> October 4, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Date of posting:</b> November 8, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |  |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |

## Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Classify the data types in a given data set;
2. Apply principles of communicating data and effectiveness of data encoding to visualize data for answering specific questions;
3. Design graphs to compare how much and how many;
4. Develop charts to show ratios, rates, proportions, and percentages of specific data types;
5. Create graphs to demonstrate mean and median in normal and non-normal data sets;
6. Use control charts to visualize variation and uncertainty of time series data;
7. Produce scatterplots and trend lines with colour and size to describe the relationships among multiple quantities;
8. Construct dual-axis line charts to show the development of events over time;
9. Encode variables on a global map using circle, colour, and filter;
10. Design explanatory dashboards to present key facts and deliver a specific message;
11. Develop exploratory dashboards to allow the audience to answer their own questions;
12. Complete a group project based on a real-life data set.

## Prior Learning Assessment and Recognition (PLAR)

☒ Yes ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Lectures, presentations, and computer lab

**NOTE:** The following sections may vary by instructor. Please see course syllabus available from the instructor.

## Typical Text(s) and Resource Materials (*If more space is required, download Supplemental Texts and Resource Materials form.*)

| Author (surname, initials) | Title (article, book, journal, etc.)                                                        | Current ed.                         | Publisher          | Year |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------------------------|--------------------|------|
| 1. Jones, B.               | Communicating Data with Tableau---Designing, Developing, and Delivering Data Visualizations | <input checked="" type="checkbox"/> | O'Reilly           | 2014 |
| 2. Tufte, E.               | The Visual Display of Quantitative Information                                              | <input checked="" type="checkbox"/> | Graphics Press LLC | 2018 |
| 3.                         |                                                                                             | <input type="checkbox"/>            |                    |      |
| 4.                         |                                                                                             | <input type="checkbox"/>            |                    |      |
| 5.                         |                                                                                             | <input type="checkbox"/>            |                    |      |

## Required Additional Supplies and Materials (*Software, hardware, tools, specialized clothing, etc.*)

Computer software Tableau Public can be downloaded for free.

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 30% | Assignments: | 30% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 20% | Project:     | 20% | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

## Details (if necessary):

The above percentages may vary among instructors and years. The final exam is comprehensive. Students must obtain at least 40% on the final exam to pass the course.

## Typical Course Content and Topics

1. Types of data: quantitative, ordinal, nominal, continuous, discrete, string, Boolean, date & time, geospatial (latitude, longitude).
2. Principles of communicating data: goal, right data, suitable visualizations, aesthetics, effective medium, check results.
3. Effectiveness of data encoding: position, length, angle, area, gray ramp, color ramp, color hue, shape.
4. Introduction to Tableau: drag-and-drop interface, data sources, dimensions, measures, columns, rows, marks cards (colour, size, label, detail, tooltip), show me, calculated fields, filters, pages, view, sort, swap, formats, sheets.
5. Comparisons of how much and how many: horizontal bars, vertical bars, heat maps, text tables, packed bubbles, word clouds, pie charts, stacked bars, circle views, treemaps, highlight tables, dot charts, histograms.
6. Ratios, rates, proportions, percentages: rank, blending data sources, table calculations, waterfall charts using Gantt bars, bullet graphs, reference lines.
7. Mean and median: normal distribution, box-and-whisker plots, outliers, synchronized dual axis, visualizing typical values of non-normal distributions.
8. Variation and uncertainty: visualizing variation in a time series, control charts (average lines, UCL, LCL), parameter control, standard error, margin of error, error bar line.
9. Multiple quantities: scatterplots, interactive explorations, adding background images, dual dot charts, trend lines, quadrant charts.
10. Changes over time: line charts, dual-axis line charts, connected scatterplots, timelines, forecasts, slopegraphs.
11. Maps and location: circle maps, filled maps, dual-encoded maps.
12. Dashboards: explanatory, exploratory, storytelling, infographics. Animation.

**Memo for Program Changes**

To: FSCC, SFC, UEC

From: Ian Affleck, Math & Stats Department Head

Date: September 4, 2019

**Subject: Applied Statistics minor**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – *Please specify*

2. Rationale for change(s):

~~First, we~~We would like to include STAT 307 (Data Visualization) in the upper-level electives for the Applied Stats minor. It is a brand new course, designed to complement the data analysis skill sets of students in the DAC and the Applied Stats minor, and introduce them to Tableau software, which is in high demand among employers of statistics and data analysis graduates.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes:

Program outcomes are not being changed.

4. What consideration has been given to indigenizing the curriculum?

The proposed change is of very particular focus. Consideration is given to indigenizing the curriculum in situations where programs are introduced or changed more broadly.

5. Will additional resources be required? If so, how will these costs be covered?

No additional resources will be required.

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

There are currently fewer than ten students pursuing the Applied Stats minor. The proposed change will better prepare them for employment after completing the program. If there is any effect on enrollment in the program from this change, it will be very minor and positive.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

The number of credits is not affected by these changes.

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

The new STAT 307 course will be offered in Winter semesters, usually alongside one or two other upper-level courses that are elective or required in the Applied Stats minor.

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed.

The number of required or elective courses from other disciplines is not changing.

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

## Applied Statistics minor

Lower-level requirements: 10 credits

| Course                      | Title                                                  | Credits |
|-----------------------------|--------------------------------------------------------|---------|
| STAT 106                    | Statistics I                                           | 4       |
| <b>or</b> STAT 270/MATH 270 | Introduction to Probability and Statistics (see Note)  |         |
| STAT 271                    | Introduction to Data Analysis and Statistical Modeling | 3       |
| STAT 272                    | Statistical Graphics and Languages                     | 3       |

Upper-level requirements: 15 credits

| Course                   | Title                              | Credits |
|--------------------------|------------------------------------|---------|
| STAT 315                 | Applied Regression Analysis        | 3       |
| <b>Four of:</b>          |                                    | 12      |
| <a href="#">STAT 307</a> | <a href="#">Data Visualization</a> |         |
| STAT 330                 | Design of Experiments              |         |
| STAT 350                 | Survey Sampling                    |         |

|                    |                                                         |  |
|--------------------|---------------------------------------------------------|--|
| STAT 370/ MATH 370 | Probability and Stochastic Processes (see Note)         |  |
| STAT 402           | Applied Generalized Linear Models and Survival Analysis |  |
| STAT 420           | Empirical and Non-Parametric Statistics                 |  |
| STAT 430           | Time Series and Forecasting                             |  |
| STAT 431/ COMP 431 | Data Mining                                             |  |
| STAT 450/ MATH 450 | Statistical Distribution Theory (see Note)              |  |
| STAT 470           | Applied Multivariate Statistical Analysis               |  |
| STAT 488           | Selected Topics in Statistics                           |  |

Note: STAT 270/MATH 270, STAT 370/MATH 370, and STAT 450/MATH 450 require a calculus course as a prerequisite. Please consult the course descriptions for these courses for details on the prerequisites.

**Memo for Program Changes**

To: CAC, CWC, UEC

From: Ian Affleck (Chair, Department of Mathematics and Statistics)

Date: Sept 16, 2019

**Subject: Program change Bachelor of Arts**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☐ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☒ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s):

Students pursuing a Math major in the BSc have had Honours available as an option for about the past six years, but students pursuing a Math major in the BA have not had this option. We would like to make this credential available to student in the BA. It could be of interest to, for example, students who plan to become secondary school teachers, students who are combining a Math major with an Economics minor, and students who plan to continue their study of Mathematics at the graduate level.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes:

Program outcomes are not being changed.

4. What consideration has been given to indigenizing the curriculum?

Efforts to indigenize the curriculum take place primarily in the design of courses and programs. Here we are only proposing that an existing discipline-specific credential be allowed as an option in an existing degree program.

5. Will additional resources be required? If so, how will these costs be covered?



No additional resources will be required.

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

This proposed change will only impact those students who elect to pursue the Honours version of the Math major in the BA. This will likely only be one or two students each year.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

There is no change to the number of core or elective credits in the BA as a result of this proposal.

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

No resources will be needed to accommodate the program change.

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed.

The number of required or elective courses from other disciplines in the program is not changing.

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

There are no budgetary implications of the proposed change.

**CWC comment and response:**

- What is the expected student demand for this program from BA students? (How many students are in the BA, Mathematics major?)

*There is currently only one student pursuing a Math Major in a BA. Most do it through the BSc. However, I don't see this as a reason to not bother creating a Math Honours pathway in the BA. The work in designing the Hons requirements for BSc is already done, and since these requirements are acceptable to Arts, there's no more work to do.*

## Mathematics Honours

This section specifies the Mathematics Honours discipline requirements only. For information on additional requirements, please refer to the **Mathematics major** section of the Academic Calendar, as well as either the **Bachelor of Science** section or the **Bachelor of Arts** section, as appropriate, and **Mathematics major** sections for information on additional requirements.

### Entrance requirements

A minimum CGPA of 3.33.

### How to apply

Once students have the entrance requirements, they are eligible to apply for entry into the Mathematics Honours program. In order to submit an application, students will need to provide the following:

- Mathematics Honours program application form (available from the department assistant).
- A copy of their transcripts (these do not need to be official transcripts).

Students should submit their application materials to the Mathematics and Statistics department assistant. The department head will then approve the three year plan.

### Program requirements

To earn a Mathematics Honours students must:

1. Complete the requirements for the **Mathematics major**.
2. Complete the following courses:

| Course | Title | Credits |
|--------|-------|---------|
|        |       |         |

|                    |                                      |   |
|--------------------|--------------------------------------|---|
| MATH 225           | Topics in Discrete Mathematics       | 3 |
| MATH 255/ ENGR 255 | Ordinary Differential Equations      | 3 |
| MATH 370/ STAT 370 | Probability and Stochastic Processes | 3 |
| MATH 438           | Advanced Linear Algebra              | 3 |
| <b>or</b> MATH 439 | Group Theory                         |   |
| MATH 440           | Fourier Analysis                     | 3 |
| <b>or</b> MATH 444 | Metric Spaces                        |   |

3. Earn a minimum grade of B in MATH 499 (Honours Module) offered in conjunction with one of MATH 370/STAT 370, MATH 438, MATH 439, MATH 440, or MATH 444.
4. Have a minimum GPA of 3.00 on all upper-level MATH and STATS courses attempted.

## Bachelor of Arts

### Declaration of majors, extended minors, minors

To declare, please book an appointment with an Arts advisor at [ufv.ca/advising](http://ufv.ca/advising).

#### When to declare

- Between 30 and 60 credits
- Failure to declare by 60 credits: registration in further courses is blocked

#### Declaration requirements

- Minimum CGPA of 2.00 on all credits attempted
- Minimum grade of C in each of the three required courses for the subject discipline, unless otherwise stated

#### What to declare (minimum)

- One major, **or**
- Two extended minors/minors of a minimum of 24 credits each

#### Available declaration options

| Discipline                                                      | Honours | Major | Extended minor | Minor |
|-----------------------------------------------------------------|---------|-------|----------------|-------|
| <a href="#"><u>Anthropology</u></a>                             |         |       | ✓              | ✓     |
| <a href="#"><u>Applied Ethical and Political Philosophy</u></a> |         |       |                | ✓     |
| <a href="#"><u>Applied Statistics</u></a>                       |         |       |                | ✓     |

|                                     |                                          |                                                      |   |   |
|-------------------------------------|------------------------------------------|------------------------------------------------------|---|---|
| <u>Art History</u>                  |                                          |                                                      | ✓ | ✓ |
| <u>Biology</u>                      |                                          |                                                      | ✓ |   |
| <u>Business</u>                     |                                          |                                                      |   | ✓ |
| <u>Communications</u>               |                                          |                                                      |   | ✓ |
| <u>Computer Information Systems</u> |                                          |                                                      | ✓ | ✓ |
| <u>Creative Writing</u>             | ✓<br>(English Honours, Creative Writing) | ✓<br>(English major, Creative Writing concentration) | ✓ | ✓ |
| <u>Criminal Justice</u>             |                                          |                                                      | ✓ | ✓ |
| <u>Economics</u>                    |                                          | ✓                                                    |   | ✓ |
| <u>English</u>                      | ✓                                        | ✓                                                    | ✓ | ✓ |
| <u>French</u>                       |                                          | ✓                                                    | ✓ | ✓ |
| <u>Geography</u>                    | ✓                                        | ✓                                                    | ✓ | ✓ |
| <u>Global Development Studies</u>   |                                          |                                                      | ✓ | ✓ |

|                                        |   |   |   |   |
|----------------------------------------|---|---|---|---|
| <u>Graphic and Digital Design</u>      |   |   | ✓ | ✓ |
| <u>History</u>                         | ✓ | ✓ | ✓ | ✓ |
| <u>Indigenous Studies</u>              |   | ✓ |   | ✓ |
| <u>Kinesiology</u>                     |   |   |   | ✓ |
| <u>Latin American Studies</u>          |   |   | ✓ | ✓ |
| <u>Mathematics</u>                     | ✓ | ✓ | ✓ | ✓ |
| <u>Mathematics (Statistics option)</u> |   |   |   | ✓ |
| <u>Media and Communication Studies</u> |   |   | ✓ | ✓ |
| <u>Peace and Conflict Studies</u>      |   | ✓ |   | ✓ |
| <u>Philosophy</u>                      | ✓ | ✓ | ✓ | ✓ |
| <u>Political Science</u>               |   | ✓ | ✓ | ✓ |
| <u>Psychology</u>                      | ✓ | ✓ | ✓ |   |
| <u>Sociology</u>                       |   | ✓ | ✓ | ✓ |

|                               |  |   |   |   |
|-------------------------------|--|---|---|---|
| <u>Sociology/Anthropology</u> |  | ✓ |   |   |
| <u>Theatre</u>                |  | ✓ | ✓ | ✓ |
| <u>Visual Arts</u>            |  |   | ✓ | ✓ |

### Important notes

- The number of students wanting to enter any Arts Honours, major, extended minor, or minor program may exceed capacity. Departments reserve the right to select competitively if necessary. The basis for selection is applicant GPA on required lower-level prerequisites; students in the BA will have priority. UFV cannot guarantee available seats in required program courses on demand.
- Arts students completing a major or double extended minor/minor from the above list may also combine either of those programs with any UFV major, extended minor, or minor. This may, however, require students to complete more than 120 credits. Students may not, however, combine the following:
  - A Geography major with a Physical Geography major or minor
  - A Mathematics Honours, major, extended minor, or minor with a Mathematics (Statistics option) minor
  - A Mathematics Honours, major, extended minor, or minor in Arts with a Mathematics Honours, major or minor in Science
  - A Sociology/Anthropology major with extended minors or minors in Sociology or Anthropology
  - An English major, Creative Writing concentration or an English Honours, Creative Writing with a Creative Writing extended minor or minor
  - Two extended minors/minors in creative practice disciplines: Creative Writing, Graphic Design, Theatre, and Visual Arts (students interested in combining study in two such areas are encouraged to explore the Bachelor of Fine Arts)

**Memo for Program Changes**

To: FSCC, SFC, UEC

From: Ian Affleck, Math & Stats Department Head

Date: September 4, 2019

**Subject: Data Analysis Post-Degree Certificate (DAC)**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☒ Other – *Change in minimum grade requirement in a required course*

2. Rationale for change(s):

There are two completely unrelated changes proposed here.

First, we would like to include STAT 307 (Data Visualization) in the upper-level electives for the DAC. It is a brand new course, designed to complement the data analysis skill sets of students in the DAC and the Applied Stats minor, and introduce them to Tableau software, which is in high demand among employers of Statistics and Data Analysis graduates.

Second, we would like to remove the requirement that students in the DAC achieve a grade of B or better in STAT 106 (if they take STAT 106 rather than STAT 270). This requirement was in place originally because students in the DAC had to take a course (STAT 330 or STAT 350) in their initial Fall semester which required a B or better in STAT 106. This is no longer the case. Co-op students take that course later in their program, by which time they will have earned the prerequisite by other means. Students in the DAC but not pursuing Co-op are able to request instructor's permission to enter STAT 330 or STAT 350 with a grade in STAT 106 of less than a B.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes:

Program outcomes are not being changed.



4. What consideration has been given to indigenizing the curriculum?

The two proposed changes are of very particular focus. Consideration is given to indigenizing the curriculum in situations where programs are introduced or changed more broadly.

5. Will additional resources be required? If so, how will these costs be covered?

No additional resources will be required.

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

25-30 students will be impacted annually – the approximate number of DAC students in each year's intake. The first proposed change will better prepare them for employment in Co-op terms and after completing the program. The second will allow those who earn a C-, C, C+, or B- in STAT 106 to complete the program without having to retake that course. Both of these proposed changes will have (likely very minor) positive effects on enrollment in the program.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

The number of credits is not affected by these changes.

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

The new STAT 307 course will be offered in Winter semesters, usually alongside another DAC upper-level elective course.

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed.

The number of required or elective courses from other disciplines is not changing.

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

**CWC comments and responses:**

- Additional supporting data is required for these changes. (Can a financial analysis and evidence of support from the Dean be provided? Is there data available to support the attractiveness of the new version of this program?)

*This is the first year in which we're seeing the effects of marketing the DAC with information about the longer Co-op option being available. The most recent report on applications and admissions (provided March 5 by Sarah Graham, Senior Associate Registrar, Recruitment and Admissions) shows that applications jumped from 53 last year (2018 intake) to 175 this year (2019 intake), and admissions increased from 26 to 95. I won't put words in the dean's mouth, but my understanding is that Lucy Lee is excited about the increase in interest, and is supportive of the change to eliminate the 10-month option.*

- International Education should be consulted on these changes.

*A description of the proposed change, along with updated calendar copy, was sent to Ravi Philips, John Potts, Betty Wang, and Simon Xi in UFV International, including the message "Before going ahead with the proposal to make this change, I wanted to hear from UFV International, including recruiters and advisers. As I mention above, please feel free to pass along this email to anyone who you think may have comments."*

*No comments were received in reply, which I take to mean that UFV International doesn't have any significant concerns about the proposed change.*

- To what extent can the department guarantee that students will be able to be placed in a Co-op position? Will students be responsible for finding their own positions?

*We make no guarantees about placement in Co-op positions. Application for Co-op positions is competitive, and the number of positions available will vary year-to-year. Students who enroll in Co-op in September of their intake year will receive guidance and support from the Co-op office as necessary, and will get an opportunity to apply for Co-op positions. Some Co-op positions may be located outside of the Lower Mainland. By all means, I'd be happy to include that information in the calendar copy.*

- Language should be added to clearly indicate that students can complete this certificate without the Co-op option.

*I agree. It's awkward to get from the old calendar description to the new one through editing - rather than by redoing from scratch. Ideally, it would simply be presented as a 16-18 month program, beginning with a course in late Summer (if necessary), 9 credits in Fall, 9 in Winter, and 9 in a final Fall, with the feature that students who take the courses in this sequence may register in the Co-op program. Students registered in Co-op are allowed to apply for the Co-op positions that are reserved for Co-op students, and Co-op positions are expected to begin and end in the Summer term immediately before the final Fall term.*

## Data Analysis Post-baccalaureate certificate

Data analysis is the science of correctly collecting data, assessing it for trustworthiness, extracting information from it, and presenting it in a comprehensible informative way.

These skills are vital to institutions such as government, business, or health care where sound decisions must be made based on data and the way it is interpreted.

Students will acquire the skills needed to extract reliable information from large data sets. With carefully designed courses taken in both computing and statistics, students will gain the data-base skills needed to house, extract, manipulate, and maintain data, and will learn the statistical techniques needed to collect data correctly, assess its quality, analyze it, and present the information effectively to decision makers. The industry standard statistical software environments SAS and R will be used throughout.

### Entrance requirements

1. A Bachelor's degree from a recognized institution.

Note: Students currently earning a university degree may enrol in the courses of the Data Analysis Post-baccalaureate certificate, provided they meet the course prerequisites. They will be granted credit for having completed the certificate when they have met its requirements, and have fulfilled the requirements of their degree.

2. One of the following programming courses:
  - COMP 120, Computing for the Sciences
  - COMP 150, Introduction to Programming
  - COMP 152, Introduction to Structured Programming
  - COMP 155, Object-oriented Programming (recommended)
3. Applicants must meet the Degree/diploma level English language proficiency requirement. For details on how this requirement may be met, see the [English language proficiency requirement](#) section of the calendar.

4. One of the following:

- Prerequisites for [STAT 106](#)
- A score of 155 or higher on the Quantitative Reasoning section of the Graduate Records Examinations (GRE)

## When to apply

Applications are accepted for entrance to the late Summer (July/August) semester, although students whose applications demonstrate completion of STAT 106 ~~(with a B or better)~~ or MATH 270/STAT 270 or an equivalent course will begin their study in the Fall semester. Because there are limited seats available, and applications are processed on a first-come, first-served basis, applications and supporting documents should be submitted to UFV as soon as possible (in January of the year in which the program is to begin, at the latest). For application deadlines, see [Specific intake application process](#).

## How to apply

Apply online at [ufv.ca/admissions/apply](https://ufv.ca/admissions/apply).

## Additional documents required for a complete application:

- Official transcripts (or interim transcripts) from all post-secondary institutions attended showing grade/course achievement as per entrance requirements. To be considered official, transcripts must be sent directly to UFV from the originating institution; see the [Transfer Credit](#) section for details.

## Fees and additional costs

See the [Fees and Other Costs](#) section.

## Program duration

Students must complete 10 courses, for a total of 31 credits. The certificate can be earned in about one year, beginning in July and finishing at the end of the following June. Those students who begin the program with credit for STAT 106 or MATH 270/STAT 270 can earn the certificate in about 10 months, beginning in September and

finishing at the end of the following June. Students planning to complete the DAC within 12 months ~~will~~may need a B or better in STAT 106 in order to have the prerequisites in place for all of their Fall courses. Those students who begin the program with credit for STAT 106 (with a B or better) or MATH 270/STAT 270 can earn the certificate in about 10 months, beginning in September and finishing at the end of the following June. For a detailed schedule, see the Typical program plan section below.

## Program outline

### Required courses

| Course                      | Title                                                          | Credits |
|-----------------------------|----------------------------------------------------------------|---------|
| STAT 106                    | Statistics I <u>(see Note)</u> <del>(with a B or better)</del> | 4       |
| <b>or</b> MATH 270/STAT 270 | Introduction to Probability and Statistics                     |         |
| STAT 271                    | Introduction to Data Analysis and Statistical Modelling        | 3       |
| STAT 272                    | Statistical Graphics and Languages                             | 3       |
| COMP 230                    | Databases and Database Management Systems (formerly CIS 230)   | 3       |
| COMP 331/ STAT 331          | Data Quality                                                   | 3       |
| STAT 315                    | Applied Regression Analysis                                    | 3       |

|                          |                                  |   |
|--------------------------|----------------------------------|---|
| COMP 381                 | Introduction to Machine Learning | 3 |
| or STAT 431/<br>COMP 431 | Data Mining                      |   |

Note: Students planning to complete the DAC within 12 months ~~will~~ may need a B or better in STAT 106 in order to have the prerequisites in place for all of their Fall courses.

## Elective courses

Students must choose three courses from the following:

| Course                   | Title                                                      | Credits           |
|--------------------------|------------------------------------------------------------|-------------------|
| <a href="#">STAT 307</a> | <a href="#">Data Visualization</a>                         | <a href="#">3</a> |
| STAT 330                 | Design of Experiments                                      | 3                 |
| STAT 350                 | Survey Sampling                                            | 3                 |
| STAT 402                 | Applied Generalized Linear Models and Survival Analysis    | 3                 |
| STAT 430                 | Time Series and Forecasting                                | 3                 |
| STAT 470                 | Applied Multivariate Statistical Analysis                  | 3                 |
| COMP 380                 | Introduction to Artificial Intelligence (formerly CIS 380) | 3                 |
| CIS 385                  | Project Management                                         | 3                 |

|          |                                             |   |
|----------|---------------------------------------------|---|
| COMP 430 | Advanced Database Topics (formerly CIS 430) | 3 |
| COMP 455 | Extreme Computing                           | 3 |

## Co-operative Education option

Co-operative Education (Co-op) combines academic studies with relevant work experience. Academic semesters alternate with work terms, providing students work experience that draws upon and reinforces the skills that they have been building in the classroom and lab, as well as opportunities to meet with potential employers in their field of study.

Co-op students must complete 10 courses as well as a four-month Co-op work term in the Summer semester directly before their final academic semester. The certificate with Co-op option can be earned in about 18 months, beginning in July and finishing in December of the following year. Those students who begin the program with credit for STAT 106 (~~with a B or better~~) or MATH 270/STAT 270 can earn the certificate in about 16 months, beginning in September and finishing in December of the following year. For a detailed schedule, see the [Typical program plan \(Co-op option\)](#) section below.

## Co-op work term

In order to satisfy the requirements of the Data Analysis Post-Baccalaureate certificate (Co-op option), students must complete two four-month semesters of academic study (9 credits each), followed by a four-month Co-op work term (typically during a Summer semester), followed by one more semester of academic study (9 credits). Some students will also need to initially begin with a July–August Summer semester with STAT 106 (4 credits). Students who complete all of the academic requirements of the certificate but do not complete the Co-op semester may still earn the Data Analysis Post-baccalaureate certificate without a Co-op option designation.

For more information about Co-op programs at UFV, see the [Co-operative Education](#) section of the calendar.

## Typical program plan

Semester I: Late Summer session (July–August)

- STAT 106

Note: Students planning to complete the DAC in 12 months will need a B or better in STAT 106 in order to have the prerequisites in place for all of their Fall courses.

#### Semester II: Fall (September–December)

- STAT 271
- STAT 272
- COMP 230
- STAT 350 or STAT 330

#### Semester III: Winter (January–April)

- STAT 315
- COMP 331/STAT 331
- CIS 385
- One of [STAT 307](#), STAT 402, STAT 430, or STAT 470

#### Semester IV: Early Summer session (May–June)

- STAT 431/COMP 431 or COMP 381

### Typical program plan (Co-op option)

#### Semester I: Late Summer session (July–August)

- STAT 106

#### Semester II: Fall (September–December)

- STAT 271
- STAT 272
- COMP 230

#### Semester III: Winter (January–April)



- STAT 315
- COMP 331/STAT 331
- One of [STAT 307](#), STAT 402, STAT 430, or STAT 470

**Semester IV: Summer (May–August)**

- Co-op work term

**Semester V: Fall (September–December)**

- STAT 350 or STAT 330
- CIS 385
- STAT 431/COMP 431 or COMP 381

**Memo for Program Changes**

To: Dr. Eric Spalding, Chair, Undergraduate Education Committee

From: Curtis Magnuson, Human Services Chair, School of Social Work and Human Services

Date: May 28, 2019

**Subject: Name and other calendar changes to the Social Services diploma including First Nations Option**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☒ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☒ Other – Please specify:

The name of the program will change to the Social Service Worker diploma. The name of the First Nations Option will change to the Social Service Worker diploma – Indigenous Focus.

Rationale for change(s): Consistent with the Bachelor of Social Work and the Community Support Worker programs, adding the term Worker to the title makes it clear that the program is skills-focused, qualifying graduates to work as social service workers with all populations, including Indigenous Peoples. Indigenous is preferred over First Nations and feedback from Indigenous students and others suggests that calling it an “option” makes it seem secondary to the Social Service Worker diploma. The proposed program name aligns with comparable public post-secondary programs across British Columbia, including the College of New Caledonia, Douglas College, Langara College, Northwest Community College, and Northern Lights College. While there is some variation in the names of social service programs, the proposed name is the most common.

2. Revising information provided in the academic calendar will reduce ambiguity, including updating the variety of settings where graduates are able to find employment.

The entrance requirements are clearly articulated – Grade 12 graduation, including an ABE or GED, are required; however, students over 19 who successfully complete 9 university level credits that can be applied towards the diploma do not have to submit a high school transcript. Current language in the calendar says 3 university level credits. Mandy Klepic, retired Education Advisor, confirmed in conversation with me that the program had previously required that students complete 9 credits of coursework successfully in order to enter the program without high school graduation. This makes far more pedagogical sense to the School than the successful completion of one university level course. Given that students may take several program courses without being admitted to the program, it may become a moot point. The School's current Advisor has been consulted and was supportive of this change.

Another change specifies that applicants must meet the prerequisites for CMNS 125 or ENG 105, instead of CMNS 155, which no longer exists. PSYC 250 can now be taken instead of SOWK 225 to make it consistent with the prerequisites of the Bachelor of Social Work program, providing greater transferability.

The program changes ensure that the Social Service Worker diploma – Indigenous Focus parallels the curriculum of the Social Service Worker diploma. The diploma with Indigenous Focus requires the inclusion of four FNST courses. In addition to the four FNST courses, all diploma students will also be required to take HSER 140: Introduction to Indigenous Centred Human Services, increasing from four to five the total number of required courses with an Indigenous focus. New program requirements include SOWK 283: Social Work Practice with Families, and SOWK 297: Introduction to Mental Health and Substance Use. Working within Indigenous communities requires knowledge of family systems, mental health, and substance use. Graduates of the First Nations Option have been at a disadvantage when applying to the BSW program because they did not have the same courses other graduates.

Applicants must also demonstrate an ability to work with diverse populations in social service settings. If pursuing the diploma with an Indigenous Focus, applicants must demonstrate an ability to work in culturally safe ways with Indigenous Peoples. Evidence of this may include volunteer and/or paid work in a variety of social service settings. We do expect applicants to have related experience but do not specify a minimum number of hours. Unrelated experience (retail, service, etc.) does not qualify.

The application procedures were also clarified. Applicants now have a link to apply online and the additional documents required for their complete application are clearly articulated. The personal statement questions have been removed from the calendar.

Historically, these were subject to change and cannot be changed when published in the calendar.

A section on continuance in the program is included. It lets applicants know that they have to maintain a PGPA of 2.00 for practicum placement and graduation. All HSER and SOWK courses will now require a C or better and students who are not making satisfactory progress may be required to withdraw. The calendar currently says that all “core courses” must be completed with a C or better but then in brackets identifies only four courses (HSER 120, HSER 200, SOWK 110, SOWK 210). It has always been the intention of the School that required courses be completed with a C or better. The proposed changes will clearly indicate this.

Practicum information is clarified and includes the following: admission to the program does not guarantee placement in a practicum and students are not guaranteed the practicum of their choice. Students are required to register for practicum on the campus closest to their practicum site, which is not a change but a clarification. A PGPA of 2.00 is still required for practicum placement, and students who are on Academic Warning, Academic Probation, or subject to academic or non-academic student misconduct proceedings will not be permitted to register in the practicum.

A criminal record check completed through the Criminal Records Review Program (CRRP) is required before practicum placement. Record checks completed through the RCMP or local police detachments do not meet BC Government requirements.

With the hiring of a Practicum and Internship Coordinator for Human Services expected in August 2019, pre-placement seminar classes (HSER 129 and 229) are being removed from the curriculum. The total number of hours for HSER 130 and 230 has been increased from 215 to 230 to reflect the increase from 6 to 7 credits and some of the learning outcomes from HSER 129 and 229 have been moved to HSER 130 and 230. These proposed changes were made in consultation with the Registrar.

The number of elective courses in the program is increasing from three to four, providing students with more options. The only program restriction on elective courses will be that they must be university-level courses. If a student wants to focus their electives on a single discipline they will be able to do so. The only elective in the diploma with an Indigenous

Focus has been eliminated because of the inclusion of additional required HSER and SOWK courses, which were missing from the program.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: N/A
4. What consideration has been given to indigenizing the curriculum?  

There are learning outcomes related to Indigenous Peoples in HSER 120, 200, SOWK 110, 210, 283, and 297. In addition, a required first year course, HSER 140: Introduction to Indigenous Centred Human Services , has been added.
5. Will additional resources be required? If so, how will these costs be covered? No
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program? N/A
7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline? Yes  

HSER 140 will replace the philosophy elective, resulting in a net increase of 3 credits of program-specific courses. The removal of the data manipulation requirement will allow students to take an additional elective, increasing from 3 to 4 elective courses.

The addition of HSER 140, SOWK 283, and SOWK 297 in the diploma with an Indigenous Focus will result in a net increase of 9 credits of program-specific courses. This is accomplished through the removal of the data manipulation and anthropology requirements and an additional elective course.
8. Identify any available resources that will be used to accommodate the program changes. (e.g. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.) N/A
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. Yes  

The removal of the philosophy elective may have an impact on that department; however, students will have an additional elective course and a variety of philosophy courses (e.g., Philosophical Counselling) are attractive to our students. UFV's is the only Social Service program in British Columbia that requires its students to take philosophy. We encourage our students to take a variety of elective courses, which is why we are increasing the

number of electives from 3 to 4. Students will be free to take four philosophy courses if they choose.

The removal of the data manipulation requirement could have an impact on the psychology department because many of our students complete this requirement through that department. Given that no Social Services diploma program in BC has a data manipulation requirement and the fact that the UFV BSW program no longer has a statistics entrance requirement makes it redundant for diploma students to have one.

Permitting students to take PSYC 250 instead of SOWK 225 will provide some additional students for that department. However, many students who intend to pursue the BSW degree already take PSYC 250 because it qualifies as an arts elective whereas SOWK 225 does not.

The removal of Anthropology 111 or 112 may have a small impact on that department; however, the inclusion of program courses on Mental Health and Substance Use and Working with Indigenous Peoples takes priority. There was no philosophy requirement in First Nations option. See attached correspondence from Anthropology.

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

**From:** [Curtis Magnuson](#)  
**To:** [Alison Reeves](#)  
**Subject:** Fwd: Proposed changes to Socia Services Diploma Program  
**Date:** May-28-19 12:02:25 PM

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Curtis Magnuson, RSW  
Human Services Chair / Associate Professor  
School of Social Work and Human Services

Begin forwarded message:

**From:** Christine Elsey <[Christine.Elsey@ufv.ca](mailto:Christine.Elsey@ufv.ca)>  
**Date:** May 27, 2019 at 3:27:38 PM PDT  
**To:** Chantelle Marlor <[Chantelle.Marlor@ufv.ca](mailto:Chantelle.Marlor@ufv.ca)>, Margaret Coombes <[Margaret.Coombes@ufv.ca](mailto:Margaret.Coombes@ufv.ca)>, Curtis Magnuson <[Curtis.Magnuson@ufv.ca](mailto:Curtis.Magnuson@ufv.ca)>  
**Cc:** Douglas Hudson <[Douglas.Hudson@ufv.ca](mailto:Douglas.Hudson@ufv.ca)>, Nicola Mooney <[Nicola.Mooney@ufv.ca](mailto:Nicola.Mooney@ufv.ca)>  
**Subject:** RE: Proposed changes to Socia Services Diploma Program

Thanks Chantelle.

Christine

Christine Elsey PhD.  
Associate Professor  
Department of Social, Cultural and  
Media Studies  
University of the Fraser Valley  
33844 King Rd. Abbotsford, B.C.  
V2S624 Canada.

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**From:** Chantelle Marlor  
**Sent:** Sunday, May 26, 2019 8:23 PM  
**To:** Margaret Coombes; Curtis Magnuson  
**Cc:** Douglas Hudson; Christine Elsey; Nicola Mooney  
**Subject:** Proposed changes to Socia Services Diploma Program

Dear Margaret and Curtis,

Sorry for the tardiness of my response--I did not realize the consultation period was so short.

In response to your consultation over the proposed changes to your Social Work program, the Anthropologists in SCMS strongly advocate for the utility of Anth 111 for Social Work students. They feel it offers something different than Social Work students will get from HSER 140 and that Anth 111 offers valuable training for prospective social workers. They would like to see this course kept as a recommended elective in the program, if at all possible.

Thank you for your consideration.

Best,

Chantelle

Chantelle Marlor, Ph.D.  
Department Head,  
Social, Cultural and Media Studies Department  
University of the Fraser Valley



**From:** [Curtis Magnuson](#)  
**To:** [Jacqueline Nolte](#); [Tracy RyderGlass](#)  
**Cc:** [Margaret Coombes](#); [Alison Reeves](#); [Glen Baier](#); [Wayne Podrouzek](#); [Martha Dow](#)  
**Subject:** Proposed Changes to the Social Services diploma program  
**Date:** May-17-19 12:43:50 PM  
**Importance:** High

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Good afternoon,

I am writing to advise you that the School of Social Work and Human Services is moving forward with recommended changes to the curriculum of our Social Services diploma program, including the First Nations Option. Some of these changes relate to courses taught through the College of Arts. Our intention is that these changes will take effect in the Fall 2020 semester. Proposed changes that affect courses in the College of Arts include:

- Adding Psychology 250 as an alternative to SOWK 225
- Removing Anthropology 111 or 112 (no longer offered) from the First Nations Option of the Social Services diploma
- Removing the philosophy requirement from the Social Services diploma Generalist program
- Removing the data manipulation program requirement from the Social Services diploma Generalist program

Rationale for the proposed changes:

- Having compared curriculum across BC post-secondary institutions, and in consultation with Human Services Articulation, UFV is the only diploma program in social services that has a philosophy requirement. First Nations Option students have not been required to take a philosophy course so removing it from the generalist program provides internal consistency and makes room for newly required courses, including Mental Health and Substance Use, and Human Services with Indigenous Peoples. It should be noted that the number of elective courses in the Generalist program is moving from 3 to 4 and many of our students enjoy studying philosophy. We are liberalizing the elective courses that students can take so that a student who is interested in philosophy will be able to take up to four philosophy electives;
- PSYC 250 can now be taken instead of SOWK 225, making it consistent with the prerequisites of the Bachelor of Social Work program. This change will provide students with greater flexibility and transfer credit when applying to the BSW program;
- The removal of Anthropology 111 or 112 from the First Nations Option is required in order to make room for two new required courses: SOWK 297: Introduction to Substance Use and Mental Health; and HSER 140: Human Services with Indigenous Peoples. Substance Use and Mental Health are taught in virtually every Social Services diploma program in BC except ours and that program change has already been approved at UEC for implementation in Fall 2019. Our new Indigenous required course is currently

going through the approval process;

- The Bachelor of Social Work Committee has already brought forward the removal of a statistics pre-requisite to apply to the BSW program. This is in keeping with BSW programs across Canada. UfV is currently the only Social Services diploma program in BC to require a data manipulation requirement and it can no longer be justified in light of it no longer being a requirement for admission to the BSW program. Some of our students have taken PSYC110 in order to fulfil this requirement so its removal as a requirement may affect enrolment in that course.

Given that these program changes have a potential impact on enrolment in the above courses, we are consulting with the College of Arts as required in order to move these changes forward. Please send any feedback on these proposed changes on or before May 21<sup>st</sup> to Margaret Coombes, Director, or Curtis Magnuson, Human Services Chair.

Sincerely,

Curtis Magnuson, RSW  
Human Services Chair / Associate Professor  
School of Social Work and Human Services  
University of the Fraser Valley  
Phone: (604) 504-7441 Local 4802  
E-mail: [Curtis.Magnuson@ufv.ca](mailto:Curtis.Magnuson@ufv.ca)



[ufv.ca/swhs/](http://ufv.ca/swhs/)



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Office of Dean, Tracy Ryder Glass  
Faculty of Professional Studies  
Phone: 604-851-6341  
Email: tracy.ryderglass@ufv.ca

## **Memo**

**To:** Senate Budget Committee

**From:** Tracy Ryder Glass, Dean – Faculty of Professional Studies

**Re:** Proposed changes to the School of Social Work & Human Services, Social Service diploma and First Nation option programming

**Date:** May 29, 2019

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The School of Social Work & Human Resources proposes to change the name of the Social Service diploma and First Nations Option to the Social Services *Worker* diploma and *Indigenous Focus* including corresponding calendar/admissions changes. The program changes reflect the skills focus and employment outcomes of the program and aligns with comparable public post-secondary programs across British Columbia, including the College of New Caledonia, Douglas College, Langara College, Northwest Community College, and Northern Lights College.

Budgetary implications have been considered and are supported within the School of Social Work & Human Services, and the Faculty of Professional Studies budgets.

A handwritten signature in black ink, appearing to read "Tracy Ryder Glass".

## SOCIAL WORK AND HUMAN SERVICES

[ufv.ca/swhs](http://ufv.ca/swhs)

### Social Service Workers diploma

The Social Service Worker diploma is a two-year, 62-credit program that prepares students graduates to work in social service settings and schools. Opportunities—Graduates work include in additions community-based settings, including corrections, mental health, child welfare, community services, corrections, family and home support services, immigration and refugee services, Indigenous services services, mental health, mental health, residential care, schools, settlement services, and substance use, and women's services.

### Social Service Worker diploma — Indigenous Focus — First Nations option

The Social Service Worker diploma — Indigenous Focus is a two year, 62 credit program that prepares graduates to work in social service settings and schools in culturally safe ways with Indigenous Peoples, both on and off reserve. Working from a Stó:lō Indigenous perspectives, graduates of the First Nations option will work with individuals, families, groups, and communities on issues of concern to Indigenous Peoples, including child abuse, substance misuse, family violence, wellness, and economic development. As Indigenous Peoples assert their right to self-determination, particularly in the areas of child welfare, healthcare, and education services, demand will continue to grow for Indigenous social service workers to work in culturally safe ways with Indigenous communities. At the same time, students will develop an understanding of the social, cultural, and political, and cultural context of Indigenous communities.

Both streams of the Social Service Worker diploma will provide students with employment- related skills while earning university-level up to one and a half years of credits towards a Bachelor of Social Work or other degree at UFV. Thus, a student who is interested in becoming a social worker will be able to develop skills and seek employment as a social service worker before going on to complete a degree. The program also provides an opportunity The number of

transfer credits in each programstream received depends on students' choice of courses.  
Consultation with an Academic Advisor is recommended.

### Academic regulations

~~Students may elect to take this program on either a full or part time basis. Students have a maximum of four years to complete their program under the requirements that were in place at the time they were admitted to the program.~~

~~Part time students may enrol in any available program course provided they meet the stated prerequisite and there is space. Part time students may not be able to access all required courses in sequence.~~

Assessment of prior learning is available for qualified students. ~~Students who would like to apply for Prior Learning Assessment Recognition (PLAR) of a Social Services course must have their application approved by the Human Services Committee or School.~~

### Entrance requirements

- ~~1. Secondary school graduation or equivalent (ABE Provincial, Advanced, or GED), or satisfactory demonstration in terms of undertaking university level work. Students 19 or older who have successfully completed at least three university level credits that can be counted can be apptowards the program at the time of application do not require a high school transcript.~~
- ~~2. Be physically and emotionally prepared to undertake a program of studiMeet the prerequisites for or.~~
- ~~3. Demonstrated ability to work effectively in social services is required. The ability to work in culturally safe ways with Indigenous Peoples is required when applying to the Social Service Worker diploma. Evidence includes volunteer and/or paid work in social service settingssector through related volunteer experience or paid employment.~~
- ~~4. Complete and include all documentation. (see How to apply below).~~

1. One of:

- Secondary school graduation or equivalent (e.g., BC Adult Graduation Diploma ~~or GED~~) with an overall C average.

~~Or~~

- Successful completion of at least nine university-level credits that are required by the ~~SSW~~ Diploma program with a minimum ~~CGPA~~ of 2.0.

2. ~~P~~Completion of the prerequisites for CMNS 125 or ENGL 105.

~~—~~ Demonstrated ability to work effectively in social services is required. The ability to work in culturally safe ways with Indigenous Peoples is required when applying to the Social Service Worker diploma – Indigenous Focus. Evidence of this may include s volunteer and/or paid work in social service settings ~~sector through related volunteer experience or paid employment.~~ This is demonstrated through submission of the Additional Application Information Form (see below).

~~—~~ Documents required for a complete application:

- ~~—~~ Official high school transcript
- ~~—~~ Official transcript from any post-secondary institutions attended. Official transcripts must be sent directly to UFV from the originating institution;
- ~~—~~ An Additional Application Information Form detailing related education, work, and volunteer experience, including a personal statement of at least 250 but no more than 500 words (available at [ufv.ca/registrar/forms](http://ufv.ca/registrar/forms));
- ~~—~~ Two recent, satisfactory letters of references from past employers, teachers, or volunteer supervisors who can are qualified to comment on your the applicant's suitability ability to work with people in the social servicesservice field. These must be on reference forms available on the UFV School of Social Work and Human Services' website

2.3. ~~Note: Please see the Practicum regulations Practicum information section below.~~

Students who do not meet these requirements might consider Qualifying studies.

## When to apply

Admission to the program is for the Fall semester. Applications are accepted for entrance to the Fall semester only. For application deadlines, see Specific intake application process.

## How to apply

1. Apply online at [ufv.ca/admissions/apply](http://ufv.ca/admissions/apply).

### **Additional Documents required for a complete application:**

- a) Proof of BC secondary school graduation or equivalent (see Entrance requirements);
- b) Evidence of having met the prerequisite for **CMNS 125** or **ENGL 105**;
- c) Official transcript (or interim transcript) from all other ~~previous~~ post-secondary institutions ~~attended showing grade/course achievement. To be considered official~~ Official; transcripts must be sent directly to UFV from the originating institution; ~~see the Transfer Credit section for details.~~
- d) An ~~Additional Application Information Form~~ detailing ~~all past related education, work, and volunteer experience and education (include social services related and other;~~ available at [ufv.ca/registrar/forms](http://ufv.ca/registrar/forms));
- e) A personal statement ~~of indicating why you want to enter the program and what has brought you to this career choice. Please refer to the kinds of experiences you have had in this field, either paid or voluntary. This statement must be~~ at least 250 ~~words~~ and not more than 500 words;
- f) Two recent, satisfactory letters of references from ~~past~~ employers, teachers, or volunteer supervisors who ~~can~~ are qualified to comment on ~~your the applicant's suitability ability~~ to work ~~with people~~ in the social ~~services~~ service field. These must be on reference forms available ~~from on~~ the School's website, ~~either online or in person at UFV.~~

~~2. Upon admission to the program, you will be provided with registration information. A deposit is required prior to registration (see the Fees and Other Costs section). This money will be applied toward tuition fees. Final payment of all course fees is due by the end of the second week of classes.~~

### **Basis for admission ~~decision~~**

1. All complete applications received by January 31 will be reviewed. Applications received after this date will be reviewed if space permits.

2. Professional suitability of applicants will be assessed using a point rating system. Up to 30 Ppoints are awarded for each of ~~past~~ academic performance, ~~all work or~~ related volunteer and/or work experience (~~social services or other~~), and a personal statement, including an assessment of ~~demonstrated~~ writing ability; and up to 10 points for two; reference letters, ~~and a personal statement~~. Admission will be granted on a first-qualified, first-served basis to those who score above the required threshold.
3. Only those who submit complete applications and score above the required threshold will be considered.

## Program duration

The Community Support Worker certificate is one year in duration, offered in both full- and part-time capacity.

Students may elect to take this program on either a full- or part-time basis. Students have a maximum of four years to complete the program under the requirements that were in place at the time they were admitted to the program.

## Academic regulations

- Students may elect to take this program on either a full- or part time basis. Students have a maximum of four years to complete their program under the requirements that were in place at the time they were admitted to the program.
  - Part time students may enrol in any available program course provided they meet the stated prerequisite and there is space. Part time students may not be able to access all required courses in sequence.
1. ~~All complete applications received by January 31 will be reviewed. Applications received after this date will be reviewed if space permits.~~
  2. ~~Professional suitability of applicants will be assessed using a point rating system. Points are awarded for past academic performance, all work~~related~~ or volunteer and/or work experience (~~social services or other~~), demonstrated writing ability, reference letters, and a personal statement. Admission will be granted on a first-qualified, first-served basis to those who score above the required threshold.~~



~~3. Only those who submit complete applications and score above above the required threshold will be considered.~~

~~If the program is full, qualified students who score above the required threshold will be placed on a temporary waitlist. If a space becomes available before September 1, waitlisted students will be contacted. After September 1, the waitlist is void.~~

## Residency

Students are required to complete a minimum of 62 credits. At least 50% of these must be completed at UFV.

## ~~Continuance~~ Program continuance in program

~~Students must havemaintain a A PGPA of 2.00 (C average) to be considered for is required for practicum placement and graduation. Please note that entrance requirements for the Social Work degree program stipulate a minimum GPA of 2.67.~~

~~All core courses (SOWK 110, SOWK 210; HSER 120, and HSER 200) All HSER and required SOWK required and HSER courses (HSER and SOWK) must be completed with a grade of C or better. Students who are not making satisfactory progress may will be required to withdraw from the program. Unsatisfactory progress includes but is not limited to:~~

- ~~• Having been placed on program warning for inappropriate classroom conduct~~
- Failing two or more required courses in one semester
- Failing a required course twice
- Failing to make achieve the minimum grade of C in a required course twice
- Failing a practicum
- Failing to maintain a 2.00 PGPA

## Undergraduate continuance

See the Academic standing and undergraduate continuance section of the academic calendar. Academic standing is governed by UFV's Undergraduate continuance policy (92).

## Academic regulations

~~Students may elect to take this program on either a full or part time basis. Students have a maximum of four years to complete the program under the requirements that were in place at the time they were admitted to the program.~~

~~Students who intend to work with children in schools are encouraged to acquire a Standard First Aid certificate. They should also include HSER 196 as a recommended elective. In addition, keyboarding and computer skills are considered useful by most employers and practicum agencies.~~

### Fees and ~~additional~~ other costs

See the Fees and other costs section. In addition to tuition and required textbooks, there will be other expenses ~~as well~~, including criminal record checks and travel to and from practicum sites.

### Practicum ~~information~~ regulations

Admission to the program does not guarantee placement in a practicum and students are not guaranteed the practicum of their choice. Students are required to register for the practicum course on the campus closest to their practicum. A PGPA of 2.00 is required for practicum placement. Students who are on Academic Warning or Academic Probation or subject to academic or non-academic student conduct proceedings will not be permitted to register in the practicum.

The Practicum and Internship Coordinator will assess students' readiness for practicum on their knowledge, skills, and professionalism. Each practicum requires a minimum of 200 hours (two to four days per week for 13 to 15 weeks). Concurrent with the practicum, students attend mandatory seminar classes.

A criminal record check completed through the Criminal Records Review Program (CRRP) is required before practicum placement. Record checks completed through the RCMP or local police detachments do not meet BC government requirements.

~~Admission to acceptance into the program does not guarantee practicum placement in a practicum. t~~A PGPA of 2.00 is required for practicum placement. Students who are on Academic Warning or Academic Probation or subject to academic or non-academic student conduct proceedings will not ordinarily be permitted to register in the ~~practicum~~ field placement.

~~Students are not guaranteed the practicum of their choice. Students are required to register for practicum on the campus closest to their practicum site.~~

~~The Practicum and Internship Coordinator will assess sStudents' readiness for practicum will be individually assessed based on their knowledge, skills, attitudes, and behaviour and demonstrated professionalism. Placement into practicum is at the discretion of the instructor. Each practicum requires a minimum of 200 hours (two to three two full days per week in the field for 13 to 15 weeks), and students must make themselves available during this time.~~

~~In addition to the practicum, students must attend a bi-weekly practicum seminar. Students are not guaranteed the practicum of their choice. A GPA of 2.00 is required for practicum placement. Students who are on Academic Warning or Academic Probation or subject to academic or non-academic student conduct proceedings will not ordinarily be permitted to register in the field placement.~~

~~A criminal record check completed through the Criminal Records Review Program (CRRP) Ministry of Public Safety and Solicitor General is required before practicum placement. Record checks completed through the RCMP or local police detachments do not meet BC Government requirements.~~

~~Ordinarily, sStudents must be 19 years of age or older to undertake a practicum.~~

~~Note: Students who intend to complete a practicum with children in schools are required to acquire have a valid Standard First Aid certificate and must take HSER 192 as a pre or co-requisite to the practicum.~~

~~Students must register for practicum seminars and practica on their assigned campus campus closest to their field placement because practica will be completed in that region. Students are not guaranteed the practicum of their choice.~~

Students who currently work in the field, or who have significant related work experience, may apply for Prior Learning Assessment [Recognition \(PLAR\) of HSER 130](#) of the first practicum. [Information about Regulations concerning](#) Prior Learning Assessment [Recognition](#) is will be discussed in the seminar class, available from the School.

## Social Service Worker diploma ~~Dates and locations~~Part-time studies

~~Admission to the program is for the Fall semester. Part-time Social Services diploma students may enrol in any available program social services course provided they meet the stated prerequisite and there is space. Part-time students may not be able to access all courses in sequence. Qualifying Studies students and students in other programs may be able to enrol in some social service required courses if they meet the stated prerequisite and there is space.~~

### program outline

#### Semester I

| Course                             | Title                                                                             | Credits      |
|------------------------------------|-----------------------------------------------------------------------------------|--------------|
| CMNS 125                           | Communicating Professionally to Academic and Workplace Audiences                  |              |
| or ENGL 105                        | Academic Writing                                                                  | 3            |
| HSER 120                           | <del>Introduction to</del> Interpersonal Communications <u>for Human Services</u> | 3            |
| <u>HSER 140</u>                    | <u>Introduction to Indigenous Centred Human Services</u>                          | <u>3</u>     |
|                                    | <del>Pre-Placement Seminar I</del>                                                | <del>1</del> |
| <del>SOC 101</del> <u>PSYC 101</u> | <del>Introductory Sociology</del> <u>Introduction to Psychology I</u>             | 3            |
| <u>or PSYC 102</u>                 | <u>Introduction to Psychology II</u>                                              | <u>3</u>     |

|                                                 |                                                                                                                     |               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------|
| SOWK 110                                        | Introduction to Social Work and Human Services                                                                      | 3             |
| <del>SOWK 225</del><br><del>HSER/SOWK 192</del> | <del>Human Behaviour and the Social Environment</del><br><del>Introduction to Working with Indigenous Peoples</del> | <del>33</del> |

**Semester II**

| Course                              | Title                                                                 | Credits       |
|-------------------------------------|-----------------------------------------------------------------------|---------------|
| HSER 130                            | Practicum I <del>(2 days/week)</del>                                  | <del>76</del> |
| <del>PSYC 101</del> <u>SOC 101</u>  | <del>Introduction to Psychology I</del> <u>Introductory Sociology</u> | <del>33</del> |
| <del>or PSYC 102</del>              | <del>Introduction to Psychology II</del>                              | -             |
| <u>University Level</u><br>Elective |                                                                       | 3             |
| <u>University Level</u><br>Elective |                                                                       | 3             |

**Semester III (Summer)**

| Course          | Title                                    | Credits  |
|-----------------|------------------------------------------|----------|
| <u>HSER 229</u> | <u>Pre-Placement Seminar II (online)</u> | <u>4</u> |

**Semester III**

| Course                                                      | Title                                                                                                                | Credits           |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|
| <del>CMNS 251</del><br><del>200</del>                       | <del>Professional Report Writing</del><br><del>Counselling Skills</del>                                              | 3                 |
| <del>HSER 230</del><br><del>200</del>                       | Interview and Assessment Skills for Human Services<br><del>Practicum II (2 days/week)</del>                          | <del>3</del><br>6 |
| <del>SOWK 283</del>                                         | <del>Introduction to Social Work Practice with Families</del>                                                        | <del>3</del>      |
| <del>SOWK 210</del>                                         | <del>Introduction to Social Welfare</del>                                                                            | <del>3</del>      |
| <del>PHIL</del><br><del>SOWK 225</del>                      | <del>Philosophy Requirement</del><br><del>Human Behaviour and the Social Environment</del>                           | 3                 |
| <del>or PSYC</del><br><del>250</del><br><del>SOWK 283</del> | <del>Introduction to Developmental Psychology</del><br><del>Introduction to Social Work Practice with Families</del> | <del>3</del>      |
| <del>SOWK 283</del><br><del>or</del><br><del>PSYC 250</del> | <del>Introduction to Social Work Practice with Families</del><br><del>Introduction to Developmental Psychology</del> | <del>3</del>      |
| <del>SOWK 297</del>                                         | <del>Introduction to Mental Health and Substance Use</del>                                                           | <del>3</del>      |

Semester **IV**

| Course                           | Title                                                         | Credits      |
|----------------------------------|---------------------------------------------------------------|--------------|
| <del>CMNS 251</del>              | <del>Professional Report Writing</del>                        | <del>3</del> |
| <del>HSER 250</del>              | <del>Integration of Social Services Theory and Practice</del> | <del>3</del> |
| <del>SOWK 210</del>              | <del>Introduction to Social Welfare</del>                     | <del>3</del> |
| <u>HSER 230</u>                  | <u>Practicum II</u>                                           | <u>76</u>    |
| <u>SOWK 210</u>                  | <u>Introduction to Social Welfare</u>                         | <u>3</u>     |
| <u>University Level Elective</u> |                                                               | 3            |
| <u>University Level Elective</u> |                                                               | 3            |

~~Note on electives: Students will take one philosophy course and four additional electives in the Social Services diploma program. The electives are divided into three categories: (1) Philosophy requirement; (2) Group A: data manipulation requirement; and (3) Group B: other electives.~~

## Electives

### Philosophy requirement (choose one):

| Course | Title | Credits |
|--------|-------|---------|
|--------|-------|---------|

|          |                                                 |   |
|----------|-------------------------------------------------|---|
| PHIL 100 | Reasoning: An Introduction to Critical Thinking | 3 |
| PHIL 110 | Morality and Politics                           | 3 |
| PHIL 120 | Knowledge and Reality                           | 3 |
| PHIL 210 | Contemporary Issues in Morality and Politics    | 3 |
| PHIL 240 | Faith and Reason: Philosophy of Religion        | 3 |

**Group A: Data manipulation requirement (choose one):**

- ASTR 103, 104
- BIO 105, 111, 112
- BUS 160
- CHEM 100, 101
- CIS 100, 110
- COMP 100, 150
- ECON 101, 102
- GEOG 101, 102, 201, 202, 253
- KIN 163, 170, 270
- MATH 105, 110, 111, 112, 115, 116, 125
- PHYS 101
- PSYC 110, 202, 210, 220
- STAT 104, 106

**Group B: Other electives (choose three):**

The remaining electives can be chosen from the following university-level disciplines, but no more than two electives can be from the same discipline (with the exception of FNST courses):



adult education, anthropology, art history, biology, chemistry, child and youth care, computing science, criminology, economics, English, geography, history, kinesiology, languages, Latin American studies, media and communications, philosophy, physics, political science, psychology, sociology, and theatre.

Students may also choose their elective courses from the following:

| Course   | Title                                                            | Credits |
|----------|------------------------------------------------------------------|---------|
| FNST 101 | Stó:lō Nation Development                                        | 3       |
| FNST 102 | Stó:lō Traditional Ways of Healing and Helping                   | 3       |
| FNST 201 | Aboriginal Communities: Stó:lō World View                        | 3       |
| FNST 202 | Stó:lō Social Structure                                          | 3       |
| HSER 160 | Introduction to Gerontology                                      | 3       |
| HSER 190 | Introduction to Community Support                                | 3       |
| HSER 192 | Supporting Students in Schools                                   | 3       |
| HSER 195 | Relationships and the Community                                  | 3       |
| HSER 196 | Personal Care for Persons with Disabilities                      | 3       |
| INCS 392 | Immigration and Social Integration: the Indo-Canadian Experience | 3       |

|                     |                                             |              |
|---------------------|---------------------------------------------|--------------|
| <del>SOWK 301</del> | <del>Social Work Practice with Groups</del> | <del>3</del> |
| <del>SOWK 394</del> | <del>Substance Misuse Issues</del>          | <del>3</del> |

## Social Service Worker diploma – Indigenous Focus program outline

### Semester I

| <u>Course</u>      | <u>Title</u>                                                            | <u>Credits</u> |
|--------------------|-------------------------------------------------------------------------|----------------|
| <u>CMNS 125</u>    | <u>Communicating Professionally to Academic and Workplace Audiences</u> |                |
| <u>or ENGL 105</u> | <u>Academic Writing</u>                                                 | <u>3</u>       |
| <u>FNST 101</u>    | <u>Stó:lō Nation Development</u>                                        | <u>3</u>       |
| <u>HSER 120</u>    | <u>Interpersonal Communications for Human Services</u>                  | <u>3</u>       |
| <u>HSER 140</u>    | <u>Introduction to Indigenous Centred Human Services</u>                | <u>3</u>       |
| <u>SOWK 110</u>    | <u>Introduction to Social Work and Human Services</u>                   | <u>3</u>       |

### Semester II

| <u>Course</u>          | <u>Title</u>                                                                | <u>Credits</u> |
|------------------------|-----------------------------------------------------------------------------|----------------|
| <u>FNST 102</u>        | <u>Stó:lō Traditional Ways of Healing and Helping</u>                       | <u>3</u>       |
| <u>HSER 130ANTH 44</u> | <u>First Nations of British Columbia — Traditional Cultures Practicum I</u> | <u>7</u>       |
| <u>PSYC 101</u>        | <u>Introduction to Psychology I</u>                                         |                |
| <u>or PSYC 102</u>     | <u>Introduction to Psychology II</u>                                        | <u>3</u>       |
| <u>SOC 101</u>         | <u>Introductory Sociology</u>                                               | <u>3</u>       |

**Semester III**

| <u>Course</u>      | <u>Title</u>                                              | <u>Credits</u> |
|--------------------|-----------------------------------------------------------|----------------|
| <u>CMNS 251</u>    | <u>Professional Report Writing</u>                        | <u>3</u>       |
| <u>FNST 201</u>    | <u>Aboriginal Communications: Stó:lō Worldview</u>        | <u>3</u>       |
| <u>HSER 200</u>    | <u>Interview and Assessment Skills for Human Services</u> | <u>3</u>       |
| <u>SOWK 225</u>    | <u>Human Behaviour and the Social Environment</u>         |                |
| <u>or PSYC 250</u> | <u>Introduction to Developmental Psychology</u>           | <u>3</u>       |

|          |                                                    |   |
|----------|----------------------------------------------------|---|
| SOWK 283 | Introduction to Social Work Practice with Families | 3 |
|----------|----------------------------------------------------|---|

#### Semester IV

| <u>Course</u>   | <u>Title</u>                                    | <u>Credits</u> |
|-----------------|-------------------------------------------------|----------------|
| <u>FNST 202</u> | <u>Stó:lō Social Structure</u>                  | <u>3</u>       |
| <u>HSER 230</u> | <u>Practicum II</u>                             | <u>7</u>       |
| <u>SOWK 210</u> | <u>Introduction to Social Welfare</u>           | <u>3</u>       |
| SOWK 297        | Introduction to Mental Health and Substance Use | 3              |

~~Note: Students intending to apply to the BSW program need to include the following electives: PSYC 110 or STAT 104 (or equivalent introductory statistics), plus three qualifying university level arts and sciences electives. Please contact the School of Social Work and Human Services regarding appropriate arts and sciences electives.~~

~~Note: UFV cannot guarantee that all courses will be scheduled as outlined. Students may take courses in any order as long as individual course prerequisites are met; however, students should note that taking courses out of the recommended sequence may result in delay of program completion.~~

## Course listings

For complete details on courses, see the [Course descriptions](#) section.

[Return to main Social Work and Human Services page](#)

[Return to main Indigenous Studies page](#)

**Memo for Course Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 1 April 2019

**Subject: Proposal for revision of GEOG 492**

1. Summary of changes (select all that apply):

- ☐ Six-year review
- ☐ Number and/or course code
- ☐ Credits and/or total hours
- ☐ Title
- ☐ Calendar description
- ☒ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☐ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change:

We are requesting a change to prerequisites for this course to only include GEOG 491 Honours Research Design and Data Collection (plus enrolment in the BA Honours program and instructor permission). The original intention for the broad range of pre-requisites was to allow students who had completed a project as part of another course to transition this into a more extensive honours project. We have realized that some students use this pre-requisite model to jump into an honours project in situations where there is no connection to the final project. This has resulted in more work for both the student and supervisor in GEOG 492 and is not supporting student success. Hence, we are requesting a change to pre-requisites to only GEOG 491.

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):

Minor change to learning outcome to mirror requested pre-req change. No other changes to learning outcomes are made.

- 4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? None
- 5. Which program areas have been consulted about the change(s)? GATE
- 6. What consideration has been given to indigenizing the curriculum?
- 7. If this course is not eligible for PLAR, explain why:

The Honours project is an integrative, capstone project that takes place at the end of one's program, and which requires instructor supervision and evaluation of a research project over two terms.

8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value - NA
  - b. Class size limit - NA
  - c. Frequency of offering - NA
  - d. Resources required (labs, equipment) - NA
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? NA
10. Estimate of the typical costs for this course, including textbooks and other materials: NA



ORIGINAL COURSE IMPLEMENTATION DATE: March 2007  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): February 2021  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-----------------------------|--|--------------------------------------------------------------|----|------------------------------|--|---------------------------------------------------------------------------------------------------|----|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> GEOG 492                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                               |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Honours Research Project<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Department:</b> Geography and the Environment                                                                                                                                                                                                                                                                                                     |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>In this course, an Honours student will demonstrate advanced library and field data collection and interpretation skills and conduct a written and visual analysis in a particular geographic subject area.                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | Admission to the Geography Honours program, (GEOG 491 or one of the following: GEOG 396, GEOG 398, GEOG 400G, GEOG 400J, GEOG 402, GEOG 410, 419, GEOG 440, or GEOG 458), and instructor's permission.<br>Note: As of January 2021, prerequisites will change to: Admission to the Geography Honours program, GEOG 491, and instructor's permission. |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                                                                                                          |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                        |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                             |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Transfer Credit</b><br>Transfer credit already exists: (See <a href="#">bctransferguide.ca</a> )<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>             |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td></td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td>15</td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours: Meetings with supervisor; student-directed learning; conference presentation</td> <td>60</td> </tr> <tr> <td><b>Total hours</b></td> <td><b>75</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                |  | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) | 15 | Supervised online activities |  | Other contact hours: Meetings with supervisor; student-directed learning; conference presentation | 60 | <b>Total hours</b> | <b>75</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15        |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Other contact hours: Meetings with supervisor; student-directed learning; conference presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 60        |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>75</b> |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Maximum enrolment (for information only):</b> 6<br><b>Expected Frequency of Course Offerings:</b><br>On demand <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                 |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Claire Hay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> April 2019                                                                                                                                                                                                                                                                                                                     |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> April 12, 2019                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> April 12, 2019                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of posting:</b> June 21, 2019                                                                                                                                                                                                                                                                                                                |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                            |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- Demonstrate an advanced (fourth-year or graduate school equivalent) level of geographic interpretation and analysis of findings of research completed in GEOG 491.
- Engage in sound and effective argumentation that supports the central research hypothesis.
- Situate their original research within the broader field of related research, and identify areas for further research.
- Present their research in written form and in a formal oral presentation in an academic setting.
- Articulate the issues and theories in a given geographic subject area,
- Demonstrate skills in data collection, commensurate with graduate and/ or professional work in geography or a related field.

**Prior Learning Assessment and Recognition (PLAR)**

☐ Yes ☒ No, PLAR cannot be awarded for this course because the Honours project is an integrative, capstone project that takes place at the end of one's program, and which requires instructor supervision and evaluation of a research project over two terms.

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Independent study involving one-to-one consultation between Honours project supervisor and student; self-directed compilation, analysis, and presentation of research findings.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

This varies a great deal with the student, and no example will be typical. A recent example:

| Author (surname, initials)                                                                                                                                                                                         | Title (article, book, journal, etc.)                                                                                                                                                              | Year |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1. Browne, M.A., Galloway, T., and R. Thompson.                                                                                                                                                                    | Microplastic-An Emerging Contaminant of Potential Concern? Integrated Environmental Assessment and Management 3 (4): 559-566                                                                      | 2007 |
| 2. Voss, B.M., Peucker-Enhrenbrink, B.,Englington, T.I., Spencer, R.G.M. Bulygina, E., Galy,V.,Lamborg, C.H., Ganguli, P.M., Montlucon, D.B., Marsh, S., Gillies, S.L., S.L., Fanslau,J., Epp,A., and R L.Luymes,. | Seasonal hydrology drives rapid shifts in the flux and composition of dissolved and particulate organic carbon and major and trace ions in the Fraser River, Canada. Biogeosciences 12: 5597-5618 | 2015 |
| 3.                                                                                                                                                                                                                 |                                                                                                                                                                                                   |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

Specific to research project; some travel and/or equipment fees (e.g. batteries) may be incurred by student.

**Typical Evaluation Methods and Weighting**

|                                                                                                                                                                                                      |     |                                                                                                                                                                                                                                     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Assignments:                                                                                                                                                                                         | 65% | Other:                                                                                                                                                                                                                              | 35% |
| <ul style="list-style-type: none"> <li>• Compilation and original analysis of research materials (findings), 45%</li> <li>• Overall quality/ formatting/ proofreading of full thesis, 20%</li> </ul> |     | <ul style="list-style-type: none"> <li>• Formal presentation of research findings before an academic audience, 15%</li> <li>• Visual presentation of research findings, as part of a research poster or alternative, 20%</li> </ul> |     |

**Details (if necessary):**

Each student will work directly with their instructor to identify the timeline for completing original research. In some cases, data collection will need to be completed over two terms. If this is the case, then evaluation of data collection will take place in both GEOG 491 and GEOG 492/493.

The final research project mark will be assessed primarily by the student's Honours supervisor, with additional assessment and approval of the final grade by the standing departmental Honours Assessment Committee (HAC). A final grade acceptable to both the supervisor and HAC will be submitted on the student's behalf.

**Typical Course Content and Topics**

Course content varies by research project. The requirements of the individual project will be devised in consultation with the student's Honours supervisor.

A recent example was an analysis of the presence of microplastics in the Fraser River.



**Memo for Course Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 1 April 2019

**Subject: Proposal for revision of GEOG 493**

1. Summary of changes (select all that apply):

- ☒ Six-year review
- ☐ Number and/or course code
- ☒ Credits and/or total hours
- ☒ Title
- ☒ Calendar description
- ☒ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☒ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change:

This course has been updated for 6 year review.

Change in hours – to ensure consistency between GEOG 492 Honours Research Project (for BA Geography students) and GEOG 493, total hours have been increased to 75 hours. This also appropriately reflects the hours a student will spend on this project.

Change in title – removed GIS from title as students can complete an honours project in GIS as part of a BSc Physical Geography or BA Geography depending on interest. New total reflects the link between GEOG 493 and the BSc Physical Geography.

Change in calendar description – calendar description has been updated to reflect word restrictions and to mirror GEOG 492.

Change in pre-requisites: - We are requesting a change to prerequisites for this course to only include GEOG 491 Honours Research Design and Data Collection (plus enrolment in the BA Honours program and instructor permission). The original intention for the broad range of pre-requisites was to allow students who had completed a project as part of another course to transition this into a more extensive honours project. We have realized that some students use this pre-requisite model to jump into an honours project in situations where there is no connection to the final project. This has resulted in more work for both the student and supervisor in GEOG 492 and is not supporting student success. Hence, we are requesting a change to pre-requisites to only GEOG 491.

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):  
Minor change to learning outcome to mirror requested pre-req change. No other changes to learning outcomes are made.
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? None
5. Which program areas have been consulted about the change(s)? GATE
6. What consideration has been given to indigenizing the curriculum? This will depend on the project but traditional ways of knowing and protocols around indigenous knowledge will be addressed.
7. If this course is not eligible for PLAR, explain why:  
The Honours project is an integrative, capstone project that takes place at the end of one's program, and which requires instructor supervision and evaluation of a research project over two terms.
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value - NA
  - b. Class size limit - NA
  - c. Frequency of offering - NA
  - d. Resources required (labs, equipment) - NA
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? NA
10. Estimate of the typical costs for this course, including textbooks and other materials: NA

**CWC comment and response:**

- Learning outcome #6: suggest changing “commensurate” to “in keeping” or similar.

*Prefer “commensurate” Comparison is being made between levels of the outcomes of 493 and those of graduate or professional work. They can be measured in common terms.*



ORIGINAL COURSE IMPLEMENTATION DATE: September 2021  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): November 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------|--|-----------------------------|--|--------------------------------------------------------------|----|------------------------------|--|---------------------------------------------------------------------------------------------------|----|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> GEOG 493                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Number of Credits:</b> 4                                                                                                                                                                                                                                                                                                                                             |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Honours Research Project (Physical Geography)<br><b>Course Short Title:</b><br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Science/Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Department (or program if no department):</b> Geography and the Environment                                                                                                                                                                                                                                                                                          |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>In this course, Honours students will develop advanced library and field data interpretation skills and conduct a written and visual analysis in physical geography.<br><br>Note: Students with credit for GEOG 492 cannot take this course for further credit.                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | Admission to the Physical Geography Honours program, (GEOG 491 or one of GEOG 400G, GEOG 400J, GEOG 402, GEOG 410, GEOG 417, or GEOG 458), and instructor's permission.<br>Note: As of January 2021, prerequisites will change to: Admission to the Physical Geography Honours program, GEOG 491, and instructor's permission.                                          |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s): <b>GEOG 492</b><br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                                                                                          |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                                           |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                                                |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="http://bctransferguide.ca">bctransferguide.ca</a>.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
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| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15        |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
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| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>75</b> |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Maximum enrolment (for information only):</b><br><b>Expected Frequency of Course Offerings:</b><br>On demand <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Claire Hay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date approved:</b> April 2019                                                                                                                                                                                                                                                                                                                                        |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> May 3, 2019                                                                                                                                                                                                                                                                                                                                       |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Lucy Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date approved:</b> May 3, 2019                                                                                                                                                                                                                                                                                                                                       |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of posting:</b> June 21, 2019                                                                                                                                                                                                                                                                                                                                   |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                               |  |                     |  |                             |  |                                                              |    |                              |  |                                                                                                   |    |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- Demonstrate, in a thesis project and related oral presentation, an advanced (fourth-year or graduate school equivalent) level of geographic interpretation and analysis of findings of a research project;
- Engage in sound and effective argumentation that supports the central research hypothesis.
- Clearly identify the limitations of their data, particularly issues of data collection, data error and the importance of appropriate analysis techniques.
- Situate their original research within the broader field of related research, and identify areas for further research.
- Confidently and legitimately present their research in written, oral and visual form appropriate to an academic setting.
- Identify and expand upon the issues and theories in a given geographic subject area, and skills in data collection, commensurate with graduate and/or professional work in geography or a related field.

**Prior Learning Assessment and Recognition (PLAR)**

☐ Yes ☒ No, PLAR cannot be awarded for this course because the Honours project is an integrative, capstone project that takes place at the end of one's program, and which requires instructor supervision and evaluation of a research project over two terms.

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Independent study involving one-to-one consultation between Honours project supervisor and student; self-directed compilation, analysis, and presentation of research findings.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

This varies a great deal with the student, and no example will be typical. A recent example:

| Author                       | Title (article, book, journal, etc.)                                                                                                                                                                                                                                                                                                                           | Year           |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1. Bustard, A., & Ferbey, T. | Open Files. Retrieved from Government of British Columbia: <a href="https://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/british-columbia-geological-survey/publications/openfiles#OF2016-02">https://www2.gov.bc.ca/gov/content/industry/mineral-exploration-mining/british-columbia-geological-survey/publications/openfiles#OF2016-02</a> | 2017, August   |
| 2. Hickin, A., & Plouffe, A. | Sampling and interpreting stream, lake, and glacial sediments for mineral exploration in the Canadian Cordillera, a review. Geological Association of Canada Special Paper Volume 50, and Mineralogical Association of Canada Topics in Mineral Sciences Volume 47, 27-51.                                                                                     | 2017           |
| 3. Seigel, C.                | Retrieved from Drift Prospecting and Mineral Exploration: <a href="http://academic.emporia.edu/aberrjame/student/seigel3/drift_prospecting.htm">http://academic.emporia.edu/aberrjame/student/seigel3/drift_prospecting.htm</a>                                                                                                                                | 2006, November |
| 4. Victor, L. M.             | Regional till geochemical surveys in the Candian COrdillera: cample media, methods and anomaly evaluation. Drift Exploration in Glaciated Terrain. Geological Society, Special Publications, 45-68                                                                                                                                                             | 2001           |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

Specific to research project; some travel and/or equipment fees (e.g. batteries) may be incurred by student.

**Typical Evaluation Methods and Weighting**

|                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Assignments: 65%</p> <ul style="list-style-type: none"> <li>• Compilation and original analysis of research materials (findings), 45%</li> <li>• Overall quality/ formatting/ proofreading of full thesis, 20%</li> </ul> | <p>Other: 35%</p> <ul style="list-style-type: none"> <li>• Formal presentation of research findings before an academic audience, 15%</li> <li>• Visual presentation of research findings, as part of a research poster or alternative, 20%</li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Details (if necessary):**

Each student will work directly with a faculty supervisor to identify the timeline for completing any primary data collection, and the presentation of final research compilation. In most cases, data collection will need to be completed during the previous term or over two terms. When this is the case, then research design and evaluation of data collection will take place in both GEOG 491 and GEOG 493.

The final research project mark will be assessed primarily by the student's Honours supervisor in consultation with the second reader (who will be determined by the supervisor and the student).

**Typical Course Content and Topics**

Course content varies by research project. The requirements of the individual project will be devised in consultation with the student's Honours supervisor.

A recent example was a topic in economic geology: "Detecting porphyry Cu  $\pm$  Mo  $\pm$  Au mineralization using major oxides and pathfinder elements in subglacial till near the Guichon Creek batholith, southcentral BC".

**Memo for Course Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 20 February 2019

**Subject: Proposal for revision of GEOG 117 Dinosaurs**

1. Summary of changes (select all that apply):

- ☐ Six-year review
- ☐ Number and/or course code
- ☐ Credits and/or total hours
- ☐ Title
- ☐ Calendar description
- ☐ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☐ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☒ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change: **The department is reducing the number of lower-level courses offered as suggested in our program review.**

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): NA

4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? **The Bachelor of Arts uses this course to meet Scientific Literacy requirements. GATE offers other courses that meet this requirement so there will be limited impact on this program. GATE will offer an additional sections of GEOG 105 to replace sections of GEOG 117.**

5. Which program areas have been consulted about the change(s)? **Bachelor of Arts/CACC**

6. What consideration has been given to indigenizing the curriculum? NA

7. If this course is not eligible for PLAR, explain why: NA

8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: NA

- a. Credit value
- b. Class size limit
- c. Frequency of offering
- d. Resources required (labs, equipment)

9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? NA
10. Estimate of the typical costs for this course, including textbooks and other materials: NA



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## **MEMORANDUM**

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**TO:** Undergraduate Education Committee

**FROM:** Lucy Lee, Dean, Faculty of Science

**CC:** College of Arts, and Faculty of Science, Curriculum Committees

**DATE:** April 9, 2019

**RE:** Budget implications for Program changes to BA Geography and BSc Physical Geography

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In agreement with all five goals of UFV's Education Plan, Geography proposed changes to their BA and BSc offerings as outlined in Claire Hay's April 08/19 memo and I am supportive of the proposed changes including providing budgetary support for the oversight of practicums as noted in the memo, or through a staff member's coordination.

The resources needed by the requested changes are in line with those already required for the programs' success within the School of Agriculture, Geography and the Environment, thus I am supportive of the indicated curriculum changes.

**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2018

**Subject: Program change – BA Honours Geography**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): The changes to the BA Honours in Geography are two-fold and will be discussed separately throughout with reference to A and B.

- A. Course changes in program: we have removed reference to the pre-requisite courses for GEOG 492 in the program details; removed courses that are being discontinued (GEOG 101, GEOG 102, GEOG 211); updated course lists to reflect current offerings. Updates to notes have also been made for clarification purposes.
- B. Addition of a professional competency requirement: we are updating the former capstone requirement of GEOG 452 or 470, to be more reflective of the needs of students on graduation. We are emphasizing real world experience through practica, cooperative education, study tour or at least 60 volunteer hours in an approved experience. In all cases, students will use their theoretical skills in the real world. The rationale is to provide students with geographic work experience that will be helpful when they graduate. This is in response to comments made during our program review.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA

4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.



5. Will additional resources be required? If so, how will these costs be covered?

The inclusion of a professional competency requirement will result in additional workload for faculty supervising practicum students. Some of this additional work will be supported by the College of Arts Practicum Coordinator. As the numbers of students completing practicums increase we will work with the Dean's office to consolidate this into the workload of a single faculty member.

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

These changes will impact new students completing the BA Honours in Geography (1-2 students per year). Enrolment will remain stable.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

The adoption of a professional competency framework replaces an in-class option (GEOG 452) with a required out of class learning experience achieved through many pathways. In the existing program structure most of our graduates completed the out of class learning experiences rather than completing GEOG 452 in class (on average 12 students per year). The proposed change formalizes our recognition that students need more real world experience where they are applying their learning outside of the classroom.

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

A. Many of the program changes identified are the result of discontinuing courses that have not been offered in a number of years. Remaining courses have sufficient space to accommodate these changes.

B. Existing practicums are offered through an IS format. As we increase the number of practicum placements completed by students we will work with the Dean's office consolidate this into the workload of a single faculty member who will oversee all practicums offered in a given year.

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached

**CWC comments and responses:**

- Using volunteer experience to fulfill a program requirement in this way is unusual. Volunteer experience does not necessarily equal learning. Has consultation occurred with the Centre for Experiential and Career Education?

*We are following the model of the Bachelor of Integrated Studies Professional Competency requirement which has a “60 hours of co-curricular record experience” option. The footnote indicates that the student needs to consult with the department head to ensure their planned experience is academically appropriate. The reference to “department head” should be changed to “program coordinator”.*

- Why is COOP 120 specifically (second work term) included in the requirements? We wish to ensure that that there is significant commitment to co-op on the part of the student.

*This requirement was put into place after consultation with the Career Centre.*

**From:** Bruce Kirkley  
**Sent:** June-20-19 12:15 PM  
**To:** Claire Hay <Claire.Hay@ufv.ca>  
**Cc:** Amanda Grimson <Amanda.Grimson@ufv.ca>  
**Subject:** Proposed Program Changes in Geography

Hi Claire,

I've been reviewing the proposed program changes for the Geography major and honours programs, and noted that there's a plan to include a professional competency requirement to be met through (among other options) completion of either COOP 120 or 60 hours of volunteer or work experience. The inclusion of a professional competency requirement is a great idea; however, these two options will need some careful consideration.

Concerning [COOP 120](#), I thought I should point out that the official course outline is significantly out of date (this is not to say the course itself is out of date, but only that the OCO is long past its review date of January 2008). The course was first implemented in 2004, and the OCO does not provide properly articulated learning outcomes. Obviously, this presents significant problems for determining specifically what a student would be required to demonstrate, and how their learning will be assessed. It also seems somewhat problematic that an upper-level capstone requirement is being fulfilled through a course numbered at the 100-level (there may be historical reasons for this numbering, and the course may indeed represent upper-level learning, but that would further suggest a strong need for the course to be revised and updated). Do you know if this work is underway? And if so, will a revised OCO for 120 accompany the program revision proposal? If revision of COOP 120 is not in the works, my own sense is that this would need to be done prior to UEC being able to approve the inclusion of this course, especially since it relates to a fairly significant change in the programs.

Concerning the 60 hours of volunteer or work experience, this initiative is almost certain to raise lots of interesting conversations around how the learning will be structured to assure it represents upper-level expectations for learning outcomes, what the learning outcomes would be, and how they'll be assessed. I note that the revised calendar copy includes a note that "students planning to complete this option should contact the department head for information and the process for demonstrating their learning." I wonder if it would make sense to create an upper-level experiential practicum for this activity, similar to GEOG 412, that would provide a structure and template for how students would align their volunteer/work experience to meet well-defined learning outcomes and assessment tools? Here again, there may be initiatives underway that will address these concerns, but I thought I should point them out.

Copying these to Amanda so she'll have a record of this feedback. And please let me know if you have any comments/questions.

Thanks,  
Bruce

**Bruce Kirkley, PhD**  
Associate Director, Program Development and Quality Assurance

## Geography Honours

### Program requirements

~~In addition to the requirements for the Bachelor of Arts and for the Geography major, Geography Honours students will need to complete the following:~~

1. 120 credits, including:

- A minimum of 64 credits of Geography, including GEOG 354.

2. An original research project, completed as part of:

- ~~One of the following courses: GEOG 396, 398, 400G, 400I, 402, 410, 440, 458, or 491; and~~

- GEOG 491: Honours Research Design and Data Collection

- GEOG 492: Honours research project.

3. Minimum CGPA of 3.33.

### Lower-level requirements: 29-30 credits

| Course                   | Title                                                                    | Credits |
|--------------------------|--------------------------------------------------------------------------|---------|
| <b>One of:</b>           |                                                                          | 4       |
| <del>GEOG 101</del>      | <del>Weather and Climate</del>                                           |         |
| <del>GEOG 102</del>      | <del>Evolution of the Earth's Surface</del>                              |         |
| GEOG 103                 | The Physical Environment                                                 |         |
| or GEOG 116              | Earth Rocks                                                              |         |
| <b>One of:</b>           |                                                                          | 3       |
| GDS 100/GEOG 109         | A World of Development                                                   |         |
| GEOG 111                 | Environmental Issues and Strategies                                      |         |
| or GEOG 140              | Human Geography                                                          |         |
| <b>Two of:</b>           |                                                                          | 8       |
| GEOG 201                 | Climate and People                                                       |         |
| GEOG 202                 | Understanding Your Earth: Landforms and Processes                        |         |
| or GEOG 219/BIO 219      | Biogeography ( <del>formerly GEOG 317/BIO 317</del> )                    |         |
| <b>One of:</b>           |                                                                          | 3       |
| GEOG 241                 | Social Geography                                                         |         |
| or GEOG 242/<br>ECON 242 | Economic Geography                                                       |         |
| <b>Required:</b>         |                                                                          |         |
| GEOG 252                 | Explanation in Geography: Quantitative Methods ( <del>see Note 4</del> ) | 4       |
| GEOG 253                 | Introduction to Geographic Information Systems                           | 4       |
| One of:                  | STAT 104, STAT 106, or PSYC 110 ( <del>see Note 3</del> )                | 3-4     |

### Upper-level requirements: ~~36~~ 42 credits

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| GEOG 354 | Approaches in Human Geography | 4       |

|                                                                    |                                                                                                                                                                                                                                                       |              |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| One course:                                                        | Physical geography (GEOG 302, 303, 304, 307, 308, 315, 319/ <del>BIO 319</del><br>(formerly <del>GEOG 417/BIO 417</del> ), 335, <del>353</del> , 402, 410, 419, <del>453, 454, 458</del> ) (see<br>Note 5)                                            | 4            |
| One course:                                                        | Human geography (GEOG <del>304</del> , 311, 312, 314, <del>316, 318, 331</del> , 340, <del>343</del> , 344,<br><del>345</del> , 346, 360, <del>361</del> , 362, 364, <del>411, 412, 421</del> , 440, <del>443</del> , 447, <del>460</del> , 464, 466) | 4            |
| GEOG 433                                                           | Geography of Selected Regions                                                                                                                                                                                                                         | 4            |
| <del>GEOG 491</del>                                                | <del>Honours Research Design and Data Collection</del>                                                                                                                                                                                                | <del>4</del> |
| <del>GEOG 492</del>                                                | <del>Honours Research Project</del>                                                                                                                                                                                                                   | <del>4</del> |
| <b>Professional competency in<br/>geography<br/>met by one of:</b> |                                                                                                                                                                                                                                                       | <b>0-6</b>   |
| <b>One of:</b>                                                     |                                                                                                                                                                                                                                                       | <b>4-6</b>   |
| GEOG 396/GDS 310/SOC 396                                           | Canada Internship                                                                                                                                                                                                                                     |              |
| GEOG 398/GDS 311/SOC 398                                           | International Internship                                                                                                                                                                                                                              |              |
| <del>GEOG 412</del>                                                | <del>Environmental Geography Practicum</del>                                                                                                                                                                                                          |              |
| <del>GEOG 452</del>                                                | <del>Field Methods and Techniques</del>                                                                                                                                                                                                               |              |
| <del>GEOG 460</del>                                                | <del>Practicum in Planning</del>                                                                                                                                                                                                                      |              |
| <del>or</del> GEOG 470                                             | Field Studies in Geography                                                                                                                                                                                                                            |              |
| <del>COOP 120</del>                                                | <del>Co-op work term performance and report II</del>                                                                                                                                                                                                  |              |
| <b>Or</b>                                                          | <b>At least 60 volunteer or work experience hours in a related geography field<br/>(Note 3)</b>                                                                                                                                                       |              |
| <del>GEOG 491</del>                                                | <del>Honours Research Design and Data Collection (see Note 1)</del>                                                                                                                                                                                   | <b>4</b>     |
| <del>GEOG 492</del>                                                | <del>Honours Research Project</del>                                                                                                                                                                                                                   | <b>4</b>     |
|                                                                    |                                                                                                                                                                                                                                                       |              |
| Electives                                                          | Upper-level Geography ( <del>two to three courses</del> )                                                                                                                                                                                             | 8-12         |

~~Note 1: Students are not required to complete GEOG 491 if they have already completed one of the following courses: GEOG 396, 398, 400G, 400J, 402, 410, 440, or 458. Those students that do not need to take GEOG 491 are required to complete an additional upper-level elective.~~

~~Note 2:~~ No more than eight credits of Directed Studies/Directed Readings (GEOG 480, ~~GEOG 481~~, GEOG 482, GEOG 483, GEOG 484) will count toward the Geography Honours.

~~Note 3: One of STAT 104 (formerly MATH 104), STAT 104 (formerly MATH 106), or PSYC 110 is required for GEOG 252; students should plan accordingly.~~

~~Note 4:~~ No more than 11 credits of GEOG 396/GDS 310/SOC 396, GEOG 398/GDS 311/SOC 398, GEOG 412, GEOG 460, and GEOG 470 can be used towards meeting the Geography Honours requirements.

~~Note 5: Students planning to complete this option should contact the [department head/program coordinator](#) for information and the process for demonstrating their learning.~~

~~Note 5: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.~~

**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2019

**Subject: Program change BA major in Geography**

1. Summary of changes (select all that apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): There are multiple program changes outlined in this memo. They will be referred to as A and B throughout.

Note that the discontinuation of both the Environmental Science concentration and the Global Studies concentration will also be proposed through APPC's Program Discontinuance process, due to overlap with the Bachelor of Environmental Studies and Bachelor of Environmental Studies – Natural Sciences option, and the Bachelor of Global Development Studies (major and minor), respectively.

- A. Course changes in program: we have removed courses from the program that are being discontinued (GEOG 101, GEOG 102); updated course lists to reflect current offerings. Updates to notes have also been made for clarification purposes.
- B. Addition of a professional competency requirement: we are updating the former capstone requirement of 'one of: GEOG 396, GEOG 398 GEOG 452 or 470', to be more reflective of the needs of students on graduation. We are emphasizing real world experience through practica, cooperative education, study tour or at least 60 volunteer hours in an approved experience. In all cases, students will use their theoretical skills in the real world. The rationale is to provide students with geographic work experience that will be helpful when they graduate. This is in response to comments made during our program review.

- 3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA
- 4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.

5. Will additional resources be required? If so, how will these costs be covered?
  - A. None
  - B. The inclusion of a professional competency requirement will result in additional workload for faculty supervising practicum students. Some of this additional work will be supported by the College of Arts Practicum Coordinator. As the numbers of students completing practicums increase we will work with the Dean's office to consolidate this into the workload of a single faculty member.
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?
  - A. These changes will impact new students completing the BA major in Geography.
  - B. These changes will impact new students completing the BA major in Geography. This may increase enrolment in the program or at least maintain stable enrolment.
7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?
  - A. No change
  - B. The adoption of a professional competency framework replaces an in-class option (GEOG 452) with a required out of class learning experience achieved through many pathways. In the existing program structure most of our graduates completed the out of class learning experiences rather than completing GEOG 452 in class (on average 12 students per year). The proposed change formalizes our recognition that students need more real world experience where they are applying their learning outside of the classroom.
8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)
  - A. The program changes identified are the result of discontinuing lower-level courses that have not been offered in a number of years together with the updating of upper-level course lists. Courses have sufficient space to accommodate these changes.
  - B. Existing practicums are offered through an IS format. As we increase the number of practicum placements completed by students we will work with the Dean's office consolidate this into the workload of a single faculty member who will oversee all practicums offered in a given year.
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective

dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached



Geography major

Lower-level requirements: 29-30 credits

| Course                   | Title                                                                    | Credits |
|--------------------------|--------------------------------------------------------------------------|---------|
| One of:                  |                                                                          | 4       |
| <del>GEOG 101</del>      | <del>Weather and Climate</del>                                           |         |
| <del>GEOG 102</del>      | <del>Evolution of the Earth's Surface</del>                              |         |
| GEOG 103                 | The Physical Environment                                                 |         |
| or GEOG 116              | Earth Rocks                                                              |         |
| One of:                  |                                                                          | 3       |
| GDS 100/<br>GEOG 109     | A World of Development                                                   |         |
| GEOG 111                 | Environmental Issues and Strategies                                      |         |
| or GEOG 140              | Human Geography                                                          |         |
| Two of:                  |                                                                          | 8       |
| GEOG 201                 | Climate and People                                                       |         |
| GEOG 202                 | Understanding Your Earth: Landforms and Processes                        |         |
| or GEOG 219/<br>BIO 219  | Biogeography ( <del>formerly GEOG 317/BIO 317</del> )                    |         |
| One of:                  |                                                                          | 3       |
| GEOG 241                 | Social Geography                                                         |         |
| or GEOG 242/<br>ECON 242 | Economic Geography                                                       |         |
| Required:                |                                                                          |         |
| GEOG 252                 | Explanation in Geography: Quantitative Methods ( <del>see Note 2</del> ) | 4       |
| GEOG 253                 | Introduction to Geographic Information Systems                           | 4       |
| One of:                  | STAT 104, STAT 106, or PSYC 110                                          | 3-4     |

Upper-level requirements: ~~28-30~~ 346 credits

| Course                                                      | Title                                                                                                                                                                                                                                                                                     | Credits        |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| One course:                                                 | Physical geography (GEOG 302, 303, 304, 307, 308, 315, 319/ <del>BIO 319</del> ( <del>formerly GEOG 417/BIO 417</del> ), 335, <del>353</del> , 402, 410, 419, <del>453</del> , <del>454</del> , <del>458</del> ) ( <del>see Note 4</del> )                                                | 4              |
| One course:                                                 | Human geography (GEOG <del>304</del> , 311, 312, <del>313</del> , 314, <del>316</del> , 318, 323, <del>331</del> , 340, <del>343</del> , 344, <del>345</del> , 346, 354, 360, <del>361</del> , 362, 364, <del>411</del> , 412, <del>421</del> , 440, <del>443</del> , 447, 460, 464, 466) | 4              |
| GEOG 433                                                    | Geography of Selected Regions                                                                                                                                                                                                                                                             | 4              |
| <b>Professional competency in Geography, met by one of:</b> |                                                                                                                                                                                                                                                                                           | <del>0-6</del> |
| <b>One of:</b>                                              |                                                                                                                                                                                                                                                                                           | <del>4-6</del> |
| GEOG 396/GDS 310/SOC 396                                    | Global Development Studies: Canada Internship                                                                                                                                                                                                                                             |                |
| GEOG 398/GDS 311/SOC 398                                    | Global Development Studies: International Internship                                                                                                                                                                                                                                      |                |

|                                |                                                                                             |              |
|--------------------------------|---------------------------------------------------------------------------------------------|--------------|
| <u>GEOG 412</u>                | <u>Environmental Practicum</u>                                                              |              |
| <u>GEOG 452</u>                | <u>Field Methods and Techniques</u>                                                         |              |
| <u>GEOG 460</u>                | <u>Practicum in Planning</u>                                                                |              |
| GEOG 470                       | Field Studies in Geography                                                                  |              |
| <u>COOP 120</u>                | <u>Co-op work term performance and report II</u>                                            |              |
| <u>Or</u>                      | <u>At least 60 volunteer or work experience hours in a related geography field (Note 3)</u> |              |
|                                |                                                                                             |              |
| <u>Four courses: Electives</u> | <u>Geography 300/400-level GEOG courses</u>                                                 | <u>14-16</u> |

Note 1: No more than eight ~~of the required 31-33~~ credits may be in Directed Studies/Directed Readings courses (GEOG 480, GEOG 481, GEOG 482, GEOG 483, GEOG 484).

~~Note 2: One of STAT 104 (formerly MATH 104), STAT 106 (formerly MATH 106), or PSYC 110 is required for GEOG 252; students should plan accordingly.~~

Note ~~2~~ 3: No more than 11 credits of GEOG 396/GDS 310/SOC 396, GEOG 398/GDS 311/SOC 398, GEOG 412, GEOG 460, and GEOG 470 can be used towards meeting the Geography major requirements.

Note 3: Students planning to complete this option should contact the department head for information and the process for demonstrating their learning.

~~Note 4: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.~~

#### Geography major concentrations

##### *Environmental Science concentration (to be discontinued)*

Lower-level requirements: 32-34 credits

| Course                         | Title                                             | Credits    |
|--------------------------------|---------------------------------------------------|------------|
| <b>One of:</b>                 |                                                   | <b>4</b>   |
| GEOG 101                       | Weather and Climate                               |            |
| GEOG 102                       | Evolution of the Earth's Surface                  |            |
| GEOG 103                       | The Physical Environment                          |            |
| <b>or</b> GEOG 116             | Earth Rocks                                       |            |
| <b>One of:</b>                 |                                                   | <b>3</b>   |
| GDS 100/<br>GEOG 109           | A World of Development                            |            |
| GEOG 111                       | Environmental Issues and Strategies               |            |
| <b>or</b> GEOG 140             | Human Geography                                   |            |
| <b>Two of:</b>                 |                                                   | <b>8</b>   |
| GEOG 201                       | Climate and People                                |            |
| GEOG 202                       | Understanding Your Earth: Landforms and Processes |            |
| <b>or</b> GEOG 219/<br>BIO 219 | Biogeography (formerly GEOG 317/BIO 317)          |            |
| <b>One of:</b>                 |                                                   | <b>3-4</b> |
| GEOG 211                       | Environmental Science                             |            |
| GEOG 257/<br>CMNS 257          | Environment: Science and Communications           |            |
| <b>or</b> BIO 210              | Introduction to Ecology                           |            |

|                       |                                                |     |
|-----------------------|------------------------------------------------|-----|
| <b>Required:</b>      |                                                |     |
| GEOG 242/<br>ECON 242 | Economic Geography                             | 3   |
| GEOG 252              | Explanation in Geography: Quantitative Methods | 4   |
| GEOG 253              | Introduction to Geographic Information Systems | 4   |
| One of:               | STAT 104, STAT 106, or PSYC 110                | 3-4 |

*Upper-level requirements: 32-34 credits*

| Course                   | Title                                                                                                                  | Credits |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Required:</b>         |                                                                                                                        |         |
| GEOG 353                 | GIS Applications                                                                                                       | 4       |
| GEOG 433                 | Geography of Selected Regions                                                                                          | 4       |
| 12 credits of:           | GEOG 302, 303, 304, 307, 308, 315, 318, 319/BIO 319 (formerly GEOG 417/BIO 417), 335, 402, 410, 419, or 453 (see Note) | 12      |
| 8 credits of:            | GEOG 311, 312, 412, 447, or IPK 477                                                                                    | 8       |
| <b>One of:</b>           |                                                                                                                        | 4-6     |
| GEOG 396/GDS 310/SOC 396 | Canada Internship                                                                                                      |         |
| GEOG 398/GDS 311/SOC 398 | International Internship                                                                                               |         |
| GEOG 452                 | Field Methods and Techniques                                                                                           |         |
| or GEOG 470              | Field Studies in Geography                                                                                             |         |

Note: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.

***Global Studies concentration (to be discontinued)***

*Lower-level requirements: 32-33 credits*

| Course                  | Title                                             | Credits |
|-------------------------|---------------------------------------------------|---------|
| <b>One of:</b>          |                                                   | 4       |
| GEOG 101                | Weather and Climate                               |         |
| GEOG 102                | Evolution of the Earth's Surface                  |         |
| GEOG 103                | The Physical Environment                          |         |
| or GEOG 116             | Earth Rocks                                       |         |
| <b>One of:</b>          |                                                   | 3       |
| GDS 100/<br>GEOG 109    | A World of Development                            |         |
| GEOG 111                | Environmental Issues and Strategies               |         |
| or GEOG 140             | Human Geography                                   |         |
| <b>Two of:</b>          |                                                   | 8       |
| GEOG 201                | Climate and People                                |         |
| GEOG 202                | Understanding Your Earth: Landforms and Processes |         |
| or GEOG 219/<br>BIO 219 | Biogeography (formerly GEOG 317/BIO 317)          |         |
| <b>One of:</b>          |                                                   | 3       |

|                          |                                                |     |
|--------------------------|------------------------------------------------|-----|
| GEOG 241                 | Social Geography                               |     |
| or GEOG 242/<br>ECON 242 | Economic Geography                             |     |
| <b>Required:</b>         |                                                |     |
| GEOG 240                 | World Regional Geography                       | 3   |
| GEOG 252                 | Explanation in Geography: Quantitative Methods | 4   |
| GEOG 253                 | Introduction to Geographic Information Systems | 4   |
| One of:                  | STAT 104, STAT 106, or PSYC 110                | 3-4 |

*Upper-level requirements: 30-34 credits*

| Course                   | Title                                                                                                                                 | Credits |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Required:</b>         |                                                                                                                                       |         |
| GEOG 433                 | Geography of Selected Regions                                                                                                         | 4       |
| 4 credits:               | Physical geography: GEOG 302, 303, 304, 307, 308, 315, 318, 319/BIO 319 [formerly GEOG 417/BIO 417], 335, 402, 410, or 419 (see Note) | 4       |
| 8 credits of:            | Global environmental studies: GEOG 311, 312, 364, or 421                                                                              | 8       |
| 4 credits of:            | Cultural studies: GEOG 314, 343, 346, or 447                                                                                          | 4       |
| 4 credits of:            | Developmental studies: GEOG 323, 340, 362, or 466                                                                                     | 4       |
| 2-4 credits of:          | Electives in upper-level Geography                                                                                                    | 2-4     |
| <b>One of:</b>           |                                                                                                                                       | 4-6     |
| GEOG 396/GDS 310/SOC 396 | Canada Internship                                                                                                                     |         |
| GEOG 398/GDS 311/SOC 398 | International Internship                                                                                                              |         |
| GEOG 452                 | Field Methods and Techniques                                                                                                          |         |
| Or GEOG 470              | Field Studies in Geography                                                                                                            |         |

Note: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.

#### *Urban Studies and Planning concentration*

*Lower-level requirements: 29-30 credits*

| Course               | Title                                       | Credits |
|----------------------|---------------------------------------------|---------|
| <b>One of:</b>       |                                             | 4       |
| <del>GEOG 101</del>  | <del>Weather and Climate</del>              |         |
| <del>GEOG 102</del>  | <del>Evolution of the Earth's Surface</del> |         |
| GEOG 103             | The Physical Environment                    |         |
| or GEOG 116          | Earth Rocks                                 |         |
| <b>One of:</b>       |                                             | 3       |
| GDS 100/<br>GEOG 109 | A World of Development                      |         |
| GEOG 111             | Environmental Issues and Strategies         |         |
| or GEOG 140          | Human Geography                             |         |

|                          |                                                       |     |
|--------------------------|-------------------------------------------------------|-----|
| <b>Two of:</b>           |                                                       | 8   |
| GEOG 201                 | Climate and People                                    |     |
| GEOG 202                 | Understanding Your Earth: Landforms and Processes     |     |
| or GEOG 219/<br>BIO 219  | Biogeography ( <del>formerly GEOG 317/BIO 317</del> ) |     |
| <b>One of:</b>           |                                                       | 3   |
| GEOG 241                 | Social Geography                                      |     |
| or GEOG 242/<br>ECON 242 | Economic Geography                                    |     |
| <b>Required:</b>         |                                                       |     |
| GEOG 252                 | Explanation in Geography: Quantitative Methods        | 4   |
| GEOG 253                 | Introduction to Geographic Information Systems        | 4   |
| <b>One of:</b>           | STAT 104, STAT 106, or PSYC 110                       | 3-4 |

Note: One course of the following is recommended: BIO 106 or ANTH 225/SOC 225 (previously offered).

Upper-level requirements: ~~28-32~~ 34 credits

| Course                                                     | Title                                                                                                                                                                          | Credits        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Required:</b>                                           |                                                                                                                                                                                |                |
| GEOG 433                                                   | Geography of Selected Regions                                                                                                                                                  | 4              |
| 4 credits of:                                              | Physical geography: GEOG 302, 303, 304, 307, 308, 315, 318, 319/BIO 319 ( <del>formerly GEOG 417/BIO 417</del> ), 335, 402, 410, or 419 ( <del>see Note</del> ), 453, 454, 458 | 4              |
| 4 credits of:                                              | GEOG 360, 460, 464, or 466                                                                                                                                                     | 4              |
| 4 credits of:                                              | GEOG <del>304</del> , 307, 314, <del>316</del> , 318, 362, or 364                                                                                                              | 4              |
| 4 credits of:                                              | GEOG 344, 440, SOC 325/ANTH 325                                                                                                                                                | 4              |
| <del>6-8</del> credits of: Electives                       | Electives in upper-level geography <del>300/400</del> level GEOG courses                                                                                                       | 8              |
| <b>Professional competency in geography met by one of:</b> |                                                                                                                                                                                | <del>0-6</del> |
| <b>One of:</b>                                             |                                                                                                                                                                                | <del>4-6</del> |
| GEOG 396/GDS 310/SOC 396                                   | Canada Internship                                                                                                                                                              |                |
| GEOG 398/GDS 311/SOC 398                                   | International Internship                                                                                                                                                       |                |
| <del>GEOG 412</del>                                        | <del>Environmental Practicum</del>                                                                                                                                             |                |
| <del>GEOG 452</del>                                        | <del>Field Methods and Techniques</del>                                                                                                                                        |                |
| <del>GEOG 460</del>                                        | <del>Practicum in Planning</del>                                                                                                                                               |                |
| or GEOG 470                                                | Field Studies in Geography                                                                                                                                                     |                |
| <del>COOP 120</del>                                        | <del>Co-op work term performance and report II</del>                                                                                                                           |                |
| or                                                         | At least 60 volunteer or work experience hours in a related geography field (Note 2)                                                                                           |                |

Note: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.

Note 1: No more than eight credits may be in Directed Studies/Directed Readings courses (GEOG 480, GEOG 481, GEOG 482, GEOG 483, GEOG 484).

Note 2 Students planning to complete this option should contact the department head for information and the process for demonstrating their learning.

**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2018

**Subject: Program change – BA extended minor in Geography**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): We have removed courses from the program that are being discontinued (GEOG 101, GEOG 102, GEOG 211); course lists have been updated; GEOG 481 Directed Readings (new course) has been added to note.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA

4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.

5. Will additional resources be required? If so, how will these costs be covered? NA

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

These changes will impact new students completing the BSc minor in Physical Geography (1-2 students per year). Enrolment will remain stable.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

No change

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

NA

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached

Geography extended minor

Lower-level requirements: 22 credits

| Course                   | Title                                                 | Credits |
|--------------------------|-------------------------------------------------------|---------|
| <b>One of:</b>           |                                                       | 4       |
| <del>GEOG 101</del>      | <del>Weather and Climate</del>                        |         |
| <del>GEOG 102</del>      | <del>Evolution of the Earth's Surface</del>           |         |
| GEOG 103                 | The Physical Environment                              |         |
| or GEOG 116              | Earth Rocks                                           |         |
| <b>One of:</b>           |                                                       | 3       |
| GDS 100/<br>GEOG 109     | A World of Development                                |         |
| GEOG 111                 | Environmental Issues and Strategies                   |         |
| or GEOG 140              | Human Geography                                       |         |
| <b>Two of:</b>           |                                                       | 8       |
| GEOG 201                 | Climate and People                                    |         |
| GEOG 202                 | Understanding Your Earth: Landforms and Processes     |         |
| or GEOG 219/<br>BIO 219  | Biogeography ( <del>formerly GEOG 317/BIO 317</del> ) |         |
| <b>One of:</b>           |                                                       | 3       |
| GEOG 241                 | Social Geography                                      |         |
| or GEOG 242/<br>ECON 242 | Economic Geography                                    |         |
| <b>Required:</b>         |                                                       |         |
| GEOG 253                 | Introduction to Geographic Information Systems        | 4       |

Upper-level requirements: 16 credits

16 credits of upper-level Geography courses (See Note 1).

Note 1: A minimum of 18 credits are usually required for entrance into teacher education training programs for secondary schools (e.g. [UFV's Teacher Education Program's Secondary option](#)). Please refer to professional education program admissions requirements for more information.

Note 2: No more than four credits may be in Directed Studies/Directed Readings courses (GEOG 480, [GEOG 481](#), GEOG 482, GEOG 483, GEOG 484).

Note 3: No more than 6 credits of GEOG 396/GDS 310/SOC 396, GEOG 398/GDS 311/SOC 398, GEOG 412, GEOG 460, and GEOG 470 can be used towards meeting the extended minor requirements.



**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2018

**Subject: Program change – BA minor in Geography**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): We have removed courses from the program that are being discontinued (GEOG 101, GEOG 102, GEOG 211); course lists have been updated; GEOG 481 Directed Readings (new course) has been added to note.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA

4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.

5. Will additional resources be required? If so, how will these costs be covered? NA

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

These changes will impact new students completing the BSc minor in Physical Geography (1-2 students per year). Enrolment will remain stable.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

No change

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

These will be accommodated by seats in existing classes.

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA
10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached

Geography minor (for BA students)

*Lower-level requirements: 13–15 credits*

| Course                              | Title                                       | Credits |
|-------------------------------------|---------------------------------------------|---------|
| <b>One of:</b>                      |                                             | 4       |
| <del>GEOG 101</del>                 | <del>Weather and Climate</del>              |         |
| <del>GEOG 102</del>                 | <del>Evolution of the Earth's Surface</del> |         |
| GEOG 103                            | The Physical Environment                    |         |
| or GEOG 116                         | Earth Rocks                                 |         |
| <b>One of:</b>                      |                                             | 3       |
| GDS 100/<br>GEOG 109                | A World of Development                      |         |
| GEOG 111                            | Environmental Issues and Strategies         |         |
| or GEOG 140                         | Human Geography                             |         |
| <b>Plus:</b>                        |                                             |         |
| Any two 200-level geography courses |                                             | 6-8     |

*Upper-level requirements: 16 credits*

16 credits of upper-level Geography courses.

Note: No more than four credits may be in Directed Studies/Directed Readings courses (GEOG 480, GEOG 481, GEOG 482, GEOG 483, GEOG 484).

**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2018

**Subject: Program change – BSc Honours Physical Geography**

1. Summary of changes (select all that apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): The changes to the BSc Honours in Physical Geography are two-fold and will be discussed separately throughout with reference to A and B.

A. Course changes in program: we have removed reference to the pre-requisite courses for GEOG 493 in the program details; removed courses that are being discontinued (GEOG 101, GEOG 102, GEOG 211); updated the STATS requirement to be more open so that students switching from the BSc to BSc Honours do not need an additional STATS course; updated course lists to reflect current offerings. In addition, we are removing the GEOG 354 requirement for the BSc honours to reflect the importance placed on STATS 315 in this program. Updates to notes have also been made for clarification purposes.

B. Addition of a professional competency requirement: we are updating the former capstone requirement of GEOG 452 or 470, to be more reflective of the needs of students on graduation. We are emphasizing real world experience through practica, cooperative education, study tour or at least 60 volunteer hours in an approved experience. In all cases, students will use their theoretical skills in the real world. The rationale is to provide students with geographic work experience that will be helpful when they graduate. This is in response to comments made during our program review.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA

4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.

5. Will additional resources be required? If so, how will these costs be covered?
  - A. None
  - B. The inclusion of a professional competency requirement will result in additional workload for faculty supervising practicum students. Some of this additional work will be supported by the College of Arts Practicum Coordinator. As the numbers of students completing practicums increase we will work with the Dean's office to consolidate this into the workload of a single faculty member.
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

These changes will impact new students completing the BSc Honours in Physical Geography (1-2 students per year). Enrolment will remain stable.
7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?
  - A. The BSc Honours in Physical Geography will require 1 less required upper level course. This will not change the total number of courses offered within the discipline as this course (GEOG 354) was offered in IS format only at this time.
  - B. The adoption of a professional competency framework replaces an in-class option (GEOG 452) with a required out of class learning experience achieved through many pathways. In the existing program structure most of our graduates completed the out of class learning experiences rather than completing GEOG 452 in class (on average 12 students per year). The proposed change formalizes our recognition that students need more real world experience where they are applying their learning outside of the classroom.
8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)
  - A. Many of the program changes identified are the result of discontinuing courses that have not been offered in a number of years. Remaining courses have sufficient space to accommodate these changes.
  - B. Existing practicums are offered through an IS format. As we increase the number of practicum placements completed by students we will work with the Dean's office consolidate this into the workload of a single faculty member who will oversee all practicums offered in a given year.
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached

**CWC comments and responses:**

- Using volunteer experience to fulfill a program requirement in this way is unusual. Volunteer experience does not necessarily equal learning. Has consultation occurred with the Centre for Experiential and Career Education?

*We are following the model of the Bachelor of Integrated Studies Professional Competency requirement which has a "60 hours of co-curricular record experience" option. The footnote indicates that the student needs to consult with the department head to ensure their planned experience is academically appropriate. The reference to "department head" should be changed to "program coordinator".*

- Why is COOP 120 specifically (second work term) included in the requirements?

*We wish to ensure that that there is significant commitment to co-op on the part of the student, beyond the first course. This requirement reflects a discussion with the Career Centre.*

- Upper-level requirements says "minimum of 44 upper-level credits", but the requirements in the chart add up to 39-45. Where does 44 come from? Credit requirement should also be stated as a specific number (i.e. "39-45 credits") rather than a minimum.

*We can strike the "minimum of 44 credits".*

## Physical Geography Honours

### Program requirements

1. 120 credits, including:

- A minimum of 64 credits of Geography
- ~~GEOG 354~~
- STAT 315

2. An original research project, completed as part of:

- ~~One of the following courses: GEOG 400G, 400J, 402, 410, 458, or 491; and~~
- GEOG 491
- GEOG 493.

3. Minimum CGPA of 3.33.

Lower-level requirements: ~~44~~45 credits

| Course                               | Title                                                 | Credits  |
|--------------------------------------|-------------------------------------------------------|----------|
| <b>One of:</b>                       |                                                       | 4        |
| <del>GEOG 101</del>                  | <del>Weather and Climate</del>                        |          |
| <del>GEOG 102</del>                  | <del>Evolution of the Earth's Surface</del>           |          |
| GEOG 103                             | The Physical Environment                              |          |
| or GEOG 116                          | Earth Rocks                                           |          |
| <b>One of:</b>                       |                                                       | 3        |
| GDS 100/<br>GEOG 109                 | A World of Development                                |          |
| GEOG 111                             | Environmental Issues and Strategies                   |          |
| or GEOG 140                          | Introduction to Human Geography                       |          |
| <b>Two of:</b>                       |                                                       | 8        |
| GEOG 201                             | Climate and People                                    |          |
| GEOG 202                             | Understanding Your Earth: Landforms and Processes     |          |
| or GEOG 219/<br>BIO 219              | Biogeography ( <del>formerly GEOG 317/BIO 317</del> ) |          |
| <b>One of:</b>                       |                                                       | 3        |
| <del>GEOG 211</del>                  | <del>Environmental Science</del>                      |          |
| or <del>GEOG 257/<br/>CMNS 257</del> | <del>Environment: Science and Communications</del>    |          |
| <b>Required:</b>                     |                                                       |          |
| <u>GEOG 257/<br/>CMNS 257</u>        | <u>Environment: Science and Communications</u>        | <u>3</u> |
| GEOG 252                             | Explanation in Geography: Quantitative Methods        | 4        |
| GEOG 253                             | Introduction to Geographic Information Systems        | 4        |
| <del>MATH 270/<br/>STAT 270</del>    | <del>Introduction to Probability and Statistics</del> | 4        |
| <b>One of:</b>                       |                                                       | 4        |
| <u>STAT 104</u>                      | <u>Introductory Statistics</u>                        |          |
| <u>STAT 106</u>                      | <u>Statistics I</u>                                   |          |

|                     |                                                    |    |
|---------------------|----------------------------------------------------|----|
| <u>or STAT 270</u>  | <u>Introduction to Probability and Statistics</u>  |    |
| <b>One of:</b>      |                                                    | 5  |
| PHYS 101            | Introductory General Physics: Mechanics and Fluids |    |
| <u>or PHYS 111</u>  | <u>Mechanics</u>                                   |    |
| <b>One pair of:</b> |                                                    | 10 |
| BIO 111             | Introductory Biology I                             |    |
| <b>and</b> BIO 112  | Introductory Biology II                            |    |
| <u>or</u> CHEM 113  | <u>Principles of Chemistry I</u>                   |    |
| <b>and</b> CHEM 114 | Principles of Chemistry II                         |    |

Upper-level requirements: minimum of 44 upper-level credits ~~47-49 credits~~ 39-45 credits

| Course                                                      | Title                                                                                                                                                                                                                                        | Credits            |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Required:</b>                                            |                                                                                                                                                                                                                                              |                    |
| GEOG 353                                                    | GIS Applications                                                                                                                                                                                                                             | 4                  |
| <del>GEOG 354</del>                                         | <del>Approaches in Human Geography</del>                                                                                                                                                                                                     | <del>4</del>       |
| GEOG 433                                                    | Geography of Selected Regions                                                                                                                                                                                                                | 4                  |
| GEOG 491                                                    | Honours Research Design and Data Collection ( <u>see Note 1</u> )                                                                                                                                                                            | 4                  |
| GEOG 493                                                    | Honours Research Project in Physical Geography/GIS                                                                                                                                                                                           | 4                  |
| STAT 315 ( <del>formerly MATH 315</del> )                   | Applied Regression Analysis ( <u>see Note 1</u> )                                                                                                                                                                                            | 3                  |
| 20 credits (five courses):                                  | Physical Geography, including at least one course at the 400-level: GEOG 302, 303, 304, 307, 308, 315, 318, 319/ <del>BIO 319</del> ( <del>formerly GEOG 417/BIO 417</del> ), 335, 402, 410, 419, 453, <u>454, 458</u> (see Note <u>34</u> ) | 20                 |
| <b>Professional Competency in Geography, met by one of:</b> |                                                                                                                                                                                                                                              | <u>0-6 credits</u> |
| <b>One of:</b>                                              |                                                                                                                                                                                                                                              | <u>4-6</u>         |
| GEOG 396/GDS 310/SOC 396                                    | Canada Internship                                                                                                                                                                                                                            |                    |
| GEOG 398/GDS 311/SOC 398                                    | International Internship                                                                                                                                                                                                                     |                    |
| <u>GEOG 412</u>                                             | <u>Environmental Geography Practicum</u>                                                                                                                                                                                                     |                    |
| <del>GEOG 452</del>                                         | <del>Field Methods and Techniques</del>                                                                                                                                                                                                      |                    |
| <u>GEOG 460</u>                                             | <u>Practicum in Planning</u>                                                                                                                                                                                                                 |                    |
| <del>or</del> GEOG 470                                      | <del>Field Studies in Geography</del>                                                                                                                                                                                                        |                    |
| <u>COOP 120</u>                                             | <u>Co-op work term performance and report II in a related geography field</u>                                                                                                                                                                |                    |
| <u>Or</u>                                                   | <u>At least 60 volunteer or work experience hours in a related geography field (Note 3)</u>                                                                                                                                                  |                    |

~~Note 1: Students are not required to complete GEOG 491 if they have already completed one of the following courses: GEOG 319/BIO 319 (formerly GEOG 417/BIO 417), 400G, 400J, 402, 419, or 458.~~

Note 12: Students planning to apply for a Bachelor of Science, Physical Geography Honours, with a view to pursuing graduate studies should expect, in consultation with their honours supervisor, to take any additional Mathematics courses deemed



applicable to their area of study.

Note ~~23~~: No more than eight credits may be in directed studies/directed readings (GEOG 480, [GEOG 481](#), [GEOG 482](#), [GEOG 483](#), [GEOG 484](#)).

~~Note 4: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.~~

Note 3: Students planning to complete this option should contact the ~~department head~~[program coordinator](#) for information and the process for demonstrating their learning.

**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2018

**Subject: Program change – BSc major in Physical Geography**

1. Summary of changes (select all that apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): The changes to the BSc major in Physical Geography are two-fold and will be discussed separately throughout with reference to A and B.

- A. Course changes in program: we have removed courses from the program that are being discontinued (GEOG 101, GEOG 102, GEOG 211); updated course lists to reflect current offerings. Updates to notes have also been made for clarification purposes.
- B. Addition of a professional competency requirement: we are updating the former capstone requirement of 'one of: GEOG 396, GEOG 398 GEOG 452 or 470', to be more reflective of the needs of students on graduation. We are emphasizing real world experience through practica, cooperative education, study tour or at least 60 volunteer hours in an approved experience. In all cases, students will use their theoretical skills in the real world. The rationale is to provide students with geographic work experience that will be helpful when they graduate. This is in response to comments made during our program review.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA

4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.

5. Will additional resources be required? If so, how will these costs be covered?
  - A. None
  - B. The inclusion of a professional competency requirement will result in additional workload for faculty supervising practicum students. Some of this additional work will be supported by the College of Arts Practicum Coordinator. As the numbers of students completing practicums increase we will work with the Dean's office to consolidate this into the workload of a single faculty member.
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

These changes will impact new students completing the BSc major in Physical Geography (6-7 students per year). Enrolment will remain stable.
7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?
  - A. No change
  - B. The adoption of a professional competency framework replaces an in-class option (GEOG 452) with a required out of class learning experience achieved through many pathways. In the existing program structure most of our graduates completed the out of class learning experiences rather than completing GEOG 452 in class (on average 12 students per year). The proposed change formalizes our recognition that students need more real world experience where they are applying their learning outside of the classroom.
8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)
  - A. The program changes identified are the result of discontinuing lower-level courses that have not been offered in a number of years together with the updating of upper-level course lists. Courses have sufficient space to accommodate these changes.
  - B. Existing practicums are offered through an IS format. As we increase the number of practicum placements completed by students we will work with the Dean's office consolidate this into the workload of a single faculty member who will oversee all practicums offered in a given year.
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA
10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached

**Physical Geography major**

Lower-level requirements: 45 credits

| Course                               | Title                                               | Credits      |
|--------------------------------------|-----------------------------------------------------|--------------|
| <b>One of:</b>                       |                                                     | 4            |
| <del>GEOG 101</del>                  | <del>Weather and Climate</del>                      |              |
| <del>GEOG 102</del>                  | <del>Evolution of the Earth's Surface</del>         |              |
| GEOG 103                             | The Physical Environment                            |              |
| or GEOG 116                          | Earth Rocks                                         |              |
| <b>One of:</b>                       |                                                     | 3            |
| GDS 100/<br>GEOG 109                 | A World of Development                              |              |
| GEOG 111                             | Environmental Issues and Strategies                 |              |
| or GEOG 140                          | Human Geography                                     |              |
| <b>Two of:</b>                       |                                                     | 8            |
| GEOG 201                             | Climate and People                                  |              |
| GEOG 202                             | Understanding Your Earth: Landforms and Processes   |              |
| or GEOG 219/<br>BIO 219              | Biogeography <del>(formerly GEOG 317/BIO 317)</del> |              |
| <b>One of:</b>                       |                                                     | 3            |
| <del>GEOG 211</del>                  | <del>Environmental Science</del>                    |              |
| <del>or GEOG 257/<br/>CMNS 257</del> | <del>Environment: Science and Communications</del>  |              |
| <b>Required:</b>                     |                                                     |              |
| <del>GEOG 257/<br/>CMNS 257</del>    | <del>Environment: Science and Communications</del>  | <del>3</del> |
| GEOG 252                             | Explanation in Geography: Quantitative Methods      | 4            |
| GEOG 253                             | Introduction to Geographic Information Systems      | 4            |
| <b>One of:</b>                       |                                                     | 4            |
| STAT 104                             | Introductory Statistics                             |              |
| STAT 106                             | Statistics I                                        |              |
| or STAT 270                          | Introduction to Probability and Statistics          |              |
| <b>One of:</b>                       |                                                     | 5            |
| PHYS 101                             | Introductory General Physics: Mechanics and Fluids  |              |
| PHYS 105                             | Heat, Waves, and Optics                             |              |
| or PHYS 111                          | Mechanics                                           |              |
| <b>One pair of:</b>                  |                                                     | 10           |
| BIO 111                              | Introductory Biology I                              |              |
| and BIO 112                          | Introductory Biology II                             |              |
| <b>or:</b>                           |                                                     |              |
| CHEM 113                             | Principles of Chemistry I                           |              |
| and CHEM 114                         | Principles of Chemistry II                          |              |

Upper-level requirements: ~~32-34 credits~~ ~~minimum of 30 upper level credits~~ including GEOG 353, and GEOG 433 ~~32-33 credits~~

| Course                                                     | Title                                                                                                                                                                                                                  | Credits     |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Required:</b>                                           |                                                                                                                                                                                                                        |             |
| GEOG 353                                                   | GIS Applications                                                                                                                                                                                                       | 4           |
| GEOG 433                                                   | Geography of Selected Regions                                                                                                                                                                                          | 4           |
| 20 credits (five courses):                                 | Physical Geography, including at least one course at the 400-level: GEOG 302, 303, 304, 307, 308, 315, 318, 319, <del>BIO 319</del> (formerly GEOG 417/BIO 417), 335, 402, 410, 419, 453, <u>454, 458</u> (see Note 2) | <u>4-20</u> |
| <b>Professional competency in Geography met by one of:</b> |                                                                                                                                                                                                                        | <u>0-6</u>  |
| <b>One of:</b>                                             |                                                                                                                                                                                                                        |             |
| GEOG 396/GDS 310/SOC 396                                   | Canada Internship                                                                                                                                                                                                      | <u>4-6</u>  |
| GEOG 398/GDS 311/SOC 398                                   | International Internship                                                                                                                                                                                               |             |
| <u>GEOG 412</u>                                            | <u>Environmental Geography Practicum</u>                                                                                                                                                                               |             |
| <u>GEOG 452</u>                                            | <u>Field Methods and Techniques</u>                                                                                                                                                                                    |             |
| <u>GEOG 460</u>                                            | <u>Practicum in Planning</u>                                                                                                                                                                                           |             |
| GEOG 470                                                   | Field Studies in Geography                                                                                                                                                                                             |             |
| <u>COOP 120</u>                                            | <u>Co-op work term performance and report II in a related geography field</u>                                                                                                                                          |             |
| <u>or</u>                                                  | <u>At least 60 volunteer or work experience hours in a related geography field (see Notes 2 and 3)</u>                                                                                                                 |             |

Note 1: No more than eight credits may be in Directed Studies/Directed Readings courses (GEOG 480, GEOG 481, GEOG 482, GEOG 483, GEOG 484).

~~Note 2: GEOG 317 taken prior to 2014 can also be used to satisfy this requirement.~~

~~Note 2: This course will be offered in an independent studies format only to accommodate students who may be unable to complete a practicum or work placement. Students who use 60 volunteer or work experience hours to fulfill the Professional Competency requirement will require 24 credits (six courses) chosen from this list.~~

Note 3: Students planning to complete this option should contact the department head for information and the process for demonstrating their learning.

**Memo for Program Changes**

To: UEC

From: Claire Hay, Department Head, Geography and the Environment

Date: 28 March 2018

**Subject: Program change – BSc minor in Physical Geography**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☐ Other – Please specify:

2. Rationale for change(s): We have removed courses from the program that are being discontinued (GEOG 101, GEOG 102, GEOG 211); course lists have been updated; GEOG 481 Directed Readings (new course) has been added to note.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: NA

4. What consideration has been given to indigenizing the curriculum?

Program delivery is reflective of indigenous practices and traditional ways of knowing. GEOG courses included in the program engage students in traditional ways of knowing, indigenous knowledge and indigenous teaching practices.

5. Will additional resources be required? If so, how will these costs be covered? NA

6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program?

These changes will impact new students completing the BSc minor in Physical Geography (1-2 students per year). Enrolment will remain stable.

7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline?

No change

8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.)

NA

9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. NA

10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

See attached

**Physical Geography minor**

*Lower-level requirements: 20 credits*

| Course                  | Title                                                 | Credits      |
|-------------------------|-------------------------------------------------------|--------------|
| <b>One of:</b>          |                                                       |              |
| <del>GEOG 101</del>     | <del>Weather and Climate</del>                        | <del>4</del> |
| <del>GEOG 102</del>     | <del>Evolution of the Earth's Surface</del>           |              |
| GEOG 103                | The Physical Environment                              |              |
| or GEOG 116             | Earth Rocks                                           |              |
| <b>Two of:</b>          |                                                       | 8            |
| GEOG 201                | Climate and People                                    |              |
| GEOG 202                | Understanding Your Earth: Landforms and Processes     |              |
| or GEOG 219/<br>BIO 219 | Biogeography ( <del>formerly GEOG 317/BIO 317</del> ) |              |
| <b>Required:</b>        |                                                       |              |
| GEOG 252                | Explanation in Geography: Quantitative Methods        | 4            |
| GEOG 253                | Introduction to Geographic Information Systems        | 4            |

Note: Students must also complete all the general Bachelor of Science requirements to satisfy the degree.

*Upper-level requirements: 16 credits*

| Course              | Title                                   | Credits |
|---------------------|-----------------------------------------|---------|
| <b>Required:</b>    |                                         |         |
| GEOG 353            | GIS Applications                        | 4       |
| <b>Two of:</b>      |                                         | 8       |
| GEOG 302            | River Geomorphology                     |         |
| GEOG 303            | Environmental Hydrology                 |         |
| GEOG 304            | Coasts and Climate Change               |         |
| GEOG 307            | Climates of Cities                      |         |
| GEOG 308            | Climate Change and Variability          |         |
| GEOG 315            | Soils                                   |         |
| <del>GEOG 317</del> | <del>Biogeography (prior to 2014)</del> |         |
| GEOG 318            | Water Resources Management              |         |
| GEOG 319            | Swamps and Bogs                         |         |
| GEOG 335            | Methods in Freshwater Ecology           |         |
| <b>One of:</b>      |                                         | 4       |
| GEOG 402            | Quaternary Geology and Geomorphology    |         |
| GEOG 410            | Plant Ecology                           |         |
| <del>GEOG 417</del> | <del>Wetlands (prior to 2014)</del>     |         |
| GEOG 419            | Paleoecology                            |         |
| GEOG 453            | Remote Sensing of the Environment       |         |
| <del>GEOG 454</del> | <del>Data Analysis and Modelling</del>  |         |
| <del>GEOG 458</del> | <del>GIS Project</del>                  |         |

Note: No more than eight credits may be in Directed Studies/Directed Readings courses (GEOG 480, ~~GEOG 481~~, GEOG 482, GEOG 483, GEOG 484).



**Memo for Course Changes**

To: Samantha Pattridge, CACC

From: Amanda McCormick, School of Criminology and Criminal Justice

Date: January 27, 2019

**Subject: Proposal for revision of CRIM 215, CRIM 220, CRIM 250, CRIM 414**

1. Summary of changes (select all that apply):

- ☒ Six-year review
- ☐ Number and/or course code
- ☐ Credits and/or total hours
- ☐ Title
- ☒ Calendar description
- ☐ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☒ Learning outcomes
- ☒ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

***Note: Minor changes to CRIM 215 and 250 have already been approved.***

2. Rationale for change: These courses were overdue for their review. In particular, CRIM 250 and CRIM 414 included outdated language and terminology and needed more substantial updates to their content. We have updated the course descriptions for all four courses to meet with the current expectations of 40-55 words and third person active voice. We have also updated the learning outcomes to include measureable outcomes (e.g. articulate instead of understand), have updated the course readings with newer text materials, when appropriate, and have added typical course content for CRIM 215, which did not have this on the earlier course outline.
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): CRIM 215, 220 - the learning outcomes have not changed substantially, but have been edited for clarity; CRIM 250 – the learning outcomes have been revised due to language changes, and updated to reflect current challenges (e.g. globalization, refugees); CRIM 414 – the learning outcomes have been updated to reflect learning expectations of a 4<sup>th</sup> year course.
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? no
5. Which program areas have been consulted about the change(s)? n/a
6. What consideration has been given to indigenizing the curriculum? We strive to include Indigenous examples in all of our courses, including Indigenous methods of inquiry, Indigenous practices, and statistics or case study examples

7. If this course is not eligible for PLAR, explain why: n/a
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value
  - b. Class size limit
  - c. Frequency of offering
  - d. Resources required (labs, equipment)
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? Field trips may be included as an option in CRIM 215 (Restorative Justice); students would be responsible for transportation to and from a location in the Fraser Valley or Lower Mainland
10. Estimate of the typical costs for this course, including textbooks and other materials: \$50-100



ORIGINAL COURSE IMPLEMENTATION DATE: September 1975  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 220                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Research Methods in Criminology<br><b>Course Short Title:</b> Research Methods<br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Department (or program if no department):</b> Criminology & Criminal Justice                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>An introduction to criminological research. Students develop research and analytical skills by focusing on theories of inquiry, conceptualizing core research questions, identifying ethical considerations, and designing methods for hypothesis testing, data collection, and analysis using qualitative and quantitative methods.                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | CRIM 100 and one of the following: CRIM 104, CRIM 105, PSYC 101, PSYC 102, or SOC 101.                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                           |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="#">bctransferguide.ca</a>.)</i><br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>45</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                           | 45 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>45</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 45        |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Every semester <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                      |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                             |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date of posting:</b> February 2019                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> October 11, 2019                                                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

CRIM 220

University of the Fraser Valley Official Undergraduate Course Outline

Page 2 of 2

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- Conceptualize a realistic research question;
- Apply principles of theory and/or model frameworks to the research question or hypothesis;
- Locate, organize, summarize and describe prior research on a selected research problem in a literature review using appropriate format and style conventions;
- Develop empirical indicators for concepts at the nominal, ordinal, interval and ratio levels of measurement;
- Articulate the strengths and weaknesses of various research methods, including qualitative, quantitative, case study research, participatory observation, and survey research;
- Explain how to identify and interpret emerging patterns from data;
- Describe the merit of knowledge translation and knowledge exchange techniques in conveying "evidence" to decision and policy makers;
- Design a project that addresses both operational and technical aspects of research design, implementation, analysis, and policy uptake

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Lectures, group and individual projects.

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

| Author (surname, initials)      | Title (article, book, journal, etc.)                             | Current ed.              | Publisher        | Year |
|---------------------------------|------------------------------------------------------------------|--------------------------|------------------|------|
| 1. Maxfield, M.G. & Babbie, E.. | Basics of research methods for criminal justice and criminology. | <input type="checkbox"/> | Cengage Learning | 2015 |
| 2.                              |                                                                  | <input type="checkbox"/> |                  |      |
| 3.                              |                                                                  | <input type="checkbox"/> |                  |      |
| 4.                              |                                                                  | <input type="checkbox"/> |                  |      |
| 5.                              |                                                                  | <input type="checkbox"/> |                  |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 30% | Assignments: | 45% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 25% | Project:     | %   | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

Week 1: Everyone is a "natural" researcher  
 Week 2: The history of scientific inquiry  
 Week 3: Experimental designs  
 Week 4: The role of research in the social sciences, ethical considerations in research  
 Week 5: Examples of classic research in criminology  
 Week 6: Midterm Exam  
 Week 7: Sampling  
 Week 8: Surveys and questionnaires  
 Week 9: Document and content analysis  
 Week 10: Field research  
 Week 11: Interviewing  
 Week 12: Presenting results  
 Week 13: Review



ORIGINAL COURSE IMPLEMENTATION DATE: Fall 1992  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2025  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|----------------------|--|--------------------|-----------|----------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 414                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                  |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Intervention Techniques in Corrections<br><b>Course Short Title:</b> Correctional Interventions<br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Department (or program if no department):</b> Criminology & Criminal Justice                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Examines the techniques that corrections personnel and associated professionals use to change criminal behaviour and reduce recidivism. Intervention techniques include counselling, therapy, and behaviour modification. Evidence of effectiveness of various intervention techniques for different types of offenders will be discussed.                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | 45 university-level credits including CRIM 100 and six additional credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including CRIM 100, CRIM 103, and three additional credits of 100- or 200-level CRIM.                                                                                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                           |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit                                                                                |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="http://bctransferguide.ca">bctransferguide.ca</a>.)</i><br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>45</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                   | 45 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>45</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 45        |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Annually <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                                    |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date of posting:</b> February 2019                                                                                                                                                                                                                                                                                                                                   |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                  |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                               |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

CRIM 414

University of the Fraser Valley Official Undergraduate Course Outline

Page 2 of 2

## Learning Outcomes:

Upon successful completion of this course, students will be able to:

- Explain the importance and relevance of designing intervention techniques to use with incarcerated populations.
- Discuss the theoretical foundations of intervention techniques.
- Explain the role and methods of offender assessment.
- Articulate different intervention techniques used in corrections.
- Articulate new and innovative approaches to rehabilitating incarcerated offenders.
- Explain the unique needs of subgroups of offender populations, including females and Indigenous offenders.
- Critically review the effectiveness of intervention techniques for different groups of offenders.

## Prior Learning Assessment and Recognition (PLAR)

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Class lectures and discussions.

**NOTE:** The following sections may vary by instructor. Please see course syllabus available from the instructor.

## Typical Text(s) and Resource Materials (*If more space is required, download Supplemental Texts and Resource Materials form.*)

|    | Author (surname, initials)          | Title (article, book, journal, etc.)                                                           | Current ed.              | Publisher       | Year |
|----|-------------------------------------|------------------------------------------------------------------------------------------------|--------------------------|-----------------|------|
| 1. | Craig, L., Dixon, L. & Gannon, T.A. | What works in offender rehabilitation: An evidence-based approach to assessment and treatment. | <input type="checkbox"/> | Wiley-Blackwell | 2013 |
| 2. |                                     |                                                                                                | <input type="checkbox"/> |                 |      |
| 3. |                                     |                                                                                                | <input type="checkbox"/> |                 |      |
| 4. |                                     |                                                                                                | <input type="checkbox"/> |                 |      |
| 5. |                                     |                                                                                                | <input type="checkbox"/> |                 |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |               |      |
|----------------|-----|--------------|-----|-------------------|---|---------------|------|
| Final exam:    | 30% | Assignments: | 35% | Field experience: | % | Portfolio:    | %    |
| Midterm exam:  | 20% | Project:     | %   | Practicum:        | % | Presentation: | 15%  |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:        | 100% |

**Details (if necessary):**

## Typical Course Content and Topics

Week 1: Introduction and course overview.

Week 2: From "nothing works" to "what works"

Week 3: Theoretical foundations and offender assessment

Week 4: The helper role and Cognitive Behavioural Therapy-based approaches

Week 5: Making prisons work from a rehabilitation perspective; reintegration programs

Week 6: Working with female offenders and justice-involved youth; mother-child prison programs

Week 7: Midterm

Week 8: Interventions for sexual offenders

Week 9: Group presentations

Week 10: Cultural factors in corrections; working with indigenous offenders

Week 11: Multi-agency and integrative approaches; specialized courts

Week 12: Biosocial criminology

Week 13: International perspectives and innovative programs

**Memo for Course Changes**

To: Samantha Pattridge, CACC Chair

From: Amanda McCormick, School of Criminology and Criminal Justice

Date: Feb 1, 2019

**Subject: Proposal for revision of CRIM 403**

1. Summary of changes (select all that apply):
  - ☐ Six-year review
  - ☐ Number and/or course code
  - ☐ Credits and/or total hours
  - ☐ Title
  - ☒ Calendar description
  - ☒ Prerequisites and/or co-requisites
  - ☐ Frequency of course offering
  - ☒ Learning outcomes
  - ☒ Delivery methods and/or texts and resource materials
  - ☐ PLAR options, grading system, and/or evaluation methods
  - ☐ Discontinuation of course
  - ☐ Other – Please specify:
2. Rationale for change: CRIM 403 was implemented in Winter 2015 and taught once using the approved course outline. Unfortunately the course overreached with attempting to include too many perspectives. The outline is being submitted with changes that tighten up the course focus.
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): this course prepares students with a solid foundational understanding of common pathways into youth crime. It provides those who may work with at-risk youth and young offenders in their careers with knowledge about the importance and methods of early prevention and intervention.
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? n/a
5. Which program areas have been consulted about the change(s)? n/a
6. What consideration has been given to indigenizing the curriculum? One week is explicitly focused on Indigenous youth. Additional case studies, applicable legislation, and programming will be integrated throughout the course.
7. If this course is not eligible for PLAR, explain why: n/a
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value

- b. Class size limit
  - c. Frequency of offering
  - d. Resources required (labs, equipment)
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? Not required but may be offered as an optional component; these would involve opportunities to tour youth prisons and attend youth court. Students would be responsible for transportation to the event, held in the Lower Mainland/Fraser Valley.
10. Estimate of the typical costs for this course, including textbooks and other materials: \$100-\$150

**CWC comment and response:**

- Calendar description (“developmental perspective”) does not seem to match the course title of “Advanced Studies”. Suggest deleting “Advanced”.

*A developmental perspective is actually an advanced theory of crime which reflects changes that occur over the life-course which increase or reduce risk of offending. This title also reflects that this course is a more Advanced level of study than the 2nd year course on Youth Crime and the Youth Justice System in Canada (CRIM 210).*





ORIGINAL COURSE IMPLEMENTATION DATE: January 2015  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED (six years after UEC approval): September 2024  
 Course outline form version: 05/18/2018

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|-----------------------------|--|--------------------------------------------------------------|--|------------------------------|--|------------------------------------------------|--|--------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 403                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Course Full Title:</b> Advanced Studies in Youth Crime and Justice<br><b>Course Short Title:</b> Adv Studies in Youth Crime<br><i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Department (or program if no department):</b> Criminology & Criminal Justice                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Calendar Description:</b><br>Provides students with a developmental perspective on serious and violent youth offending, and the role of the criminal justice system and community agencies in mitigating risk.                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | 45 university-level credits, including CRIM 210 and six additional credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits, including CRIM 210 and six additional credits of 100- or 200-level CRIM. |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br><i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>                                                                                                                        |           | <b>Special Topics</b> <i>(Double-click on boxes to select.)</i><br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i>                          |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Typical Structure of Instructional Hours</b><br><table border="1"> <tr> <td>Lecture/seminar hours</td> <td>45</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td></td> </tr> <tr> <td>Experiential (field experience, practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours: Student directed learning</td> <td></td> </tr> <tr> <td><b>Total hours</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                  | 45 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: Student directed learning |  | <b>Total hours</b> | <b>45</b> | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: <i>(If yes, topic will be recorded.)</i><br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | Lecture/seminar hours                                                                                                                                                                                                                                                  | 45 |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | Tutorials/workshops                                                                                                                                                                                                                                                    |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | Supervised laboratory hours                                                                                                                                                                                                                                            |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Other contact hours: Student directed learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>45</b> |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Transfer Credit</b><br>Transfer credit already exists: <i>(See <a href="http://bctransferguide.ca">bctransferguide.ca</a>.)</i><br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Annually <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                        |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                     |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                    |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date of posting:</b> February 2019                                                                                                                                                                                                                                  |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> October 11, 2019                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                              |    |                     |  |                             |  |                                                              |  |                              |  |                                                |  |                    |           |                                                                                                                                                                                                                                                                                          |  |

**CRIM 403**

**University of the Fraser Valley Official Undergraduate Course Outline**

Page 2 of 2

**Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- Discuss current crime and victimization trends among children and youth;
- Discuss the role of domestic legislation (e.g. the Youth Criminal Justice Act), policies (e.g. the Child, Family and Community Services Act), and international conventions (e.g. the United Nations Convention on the Rights of the Child) in preventing and intervening in youth offending and victimization;
- Apply a developmental perspective when discussing victimization of and offending by youth;
- Analyze critically the challenges facing at-risk populations of youth generally and in particular, special populations of youth, including Indigenous youth, children in care, youth with mental illness, lesbian-gay-bisexual-transgendered-queer youth, and female youth;
- Identify innovative interdisciplinary non-justice and justice programs and policies to prevent and intervene in a variety of at-risk youth populations.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Seminar discussion, optional field trip

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials** (*If more space is required, download Supplemental Texts and Resource Materials form.*)

| Author (surname, initials)               | Title (article, book, journal, etc.)                                                                                                                                                  | Current ed.              | Publisher                   | Year |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------|------|
| 1. Corrado, R.R. et al.                  | Serious and violent young offenders and youth criminal justice: A Canadian perspective.                                                                                               | <input type="checkbox"/> | Simon Fraser University     | 2015 |
| 2. Alain, M. et al.                      | Implementing and working with the Youth Criminal Justice Act across Canada                                                                                                            | <input type="checkbox"/> | University of Toronto Press | 2016 |
| 3. Representative for Children and Youth | Kids, Crime and Care. Health and Well-Being of Children in Care: Youth Justice Experiences and Outcomes                                                                               | <input type="checkbox"/> | Province of BC              | 2009 |
| 4. United Nations General Assembly       | Convention on the Rights of the Child. Treaty Series, 1577: 3. Available from <a href="http://www.refworld.org/docid/3ae6b38f0.html">http://www.refworld.org/docid/3ae6b38f0.html</a> | <input type="checkbox"/> |                             | 1989 |
| 5.                                       |                                                                                                                                                                                       | <input type="checkbox"/> |                             |      |

**Required Additional Supplies and Materials** (*Software, hardware, tools, specialized clothing, etc.*)

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |               |      |
|----------------|-----|--------------|-----|-------------------|---|---------------|------|
| Final exam:    | 25% | Assignments: | 30% | Field experience: | % | Portfolio:    | %    |
| Midterm exam:  | 25% | Project:     | %   | Practicum:        | % | Presentation: | 20%  |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:        | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

Week 1: Introduction to course, history of youth crime trends, and youth justice legislation  
 Week 2: Relevant international and domestic legislation, policies, and conventions on children and youth  
 Week 3: Children and youth as victims and/or witnesses of crime and violence  
 Week 4: Career criminality and the importance of prevention  
 Week 5: Pre-natal development  
 Week 6: Peri-natal and post-natal development  
 Week 7: Midterm  
 Week 8: Early childhood  
 Week 9: Indigenous youth  
 Week 10: Female youth  
 Week 11: LGBTQ, homelessness  
 Week 12: Comparative analysis and international approaches to child and youth issues  
 Week 13: Group presentations

**Memo for Course Changes**

To: Samantha Pattridge, CACC Chair

From: Amanda McCormick, School of Criminology and Criminal Justice

Date: Feb 1, 2019

**Subject: Proposal for revision of pre-requisites for CRIM 400, 402, 410, 412, 416, 418, 419, and 450**

1. Summary of changes (select all that apply):

- ☐ Six-year review
- ☐ Number and/or course code
- ☐ Credits and/or total hours
- ☐ Title
- ☐ Calendar description
- ☒ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☐ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change: Our fourth year elective courses currently have 45 university-level credits as a pre-req. Unfortunately, we are finding that a substantial proportion of second year students are enrolling in these courses; these students are generally unprepared for the more advanced discussion occurring in our 4<sup>th</sup> year courses. We are revising the pre-reqs to a minimum of 60 university-level credits so as to restrict registration to students who are better prepared for learning at the upper levels. We are revising the pre-req to 90 for CRIM 450, as this is a course students should be taking in their final year of the degree program.
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): n/a
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? n/a
5. Which program areas have been consulted about the change(s)? n/a
6. What consideration has been given to indigenizing the curriculum? n/a
7. If this course is not eligible for PLAR, explain why: n/a
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
- a. Credit value
  - b. Class size limit

- c. Frequency of offering
- d. Resources required (labs, equipment)
- 9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? n/a
- 10. Estimate of the typical costs for this course, including textbooks and other materials: n/a

**CWC comments and responses:**

- For the increase in prerequisite credits for the 400-level courses, is there evidence that students are unprepared for these courses? Can IR provide some information to support this? Has the department considered the possible negative effect of this change on enrolment in the short term?

*Students should not be taking 4th year courses until they have at least reached their upper level of study. Having a pre-req of 45 university level credits meant that students could take 4th year courses after only 1.5 years of university level study. This change was recommended to us by the Dean of Arts' Office and we agreed fully that it was a desirable change to make. We are not concerned about the effects on enrolment as we are already experiencing significantly high levels of demand for these courses and are having to add extra sections each year to meet the demand.*

- Is there another foundational course that should be included in the prerequisites for CRIM 450, such as a required 300- or 400-level course?

*No, we do not have a foundational course in this particular area.*

- Will there be enough seats in CRIM 450 to accommodate all fourth-year students?

*Yes. This change ensures that the seats are available for those who need it in their final year of study.*



**ORIGINAL COURSE IMPLEMENTATION DATE:** September 2012  
**REVISED COURSE IMPLEMENTATION DATE:** September 2020  
**COURSE TO BE REVIEWED:** (six years after UEC approval) September 2024  
**Course outline form version:** 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Course Full Title:</b> Terrorism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Calendar Description:</b><br><br>Examines the nature, extent, and causes of terrorism as an officially designated crime. Emphasis is placed on extremism as a foundation for terrorism, specific types of terrorism, and how governments and law enforcement agencies seek to counter terrorism.                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | 45 university-level credits including 9 credits of 100- or 200- level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including 9 credits of 100- or 200- level CRIM.                                                                                                                                                                                                                                                                                                                       |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>CRIM 410E</b><br><br>Cross-listed with:<br>Equivalent course(s):<br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                                                                                                                                        |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Transfer credit requested (OReg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br><br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Lecture hours</td><td style="text-align: right;">30</td></tr> <tr><td>Seminars/tutorials/workshops</td><td style="text-align: right;">15</td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td></td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;"><b>Total</b></td><td style="text-align: right;"><b>45</b></td></tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30 | Seminars/tutorials/workshops | 15 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Maximum enrolment (for information only):</b> 27<br><br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                                                                    |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                          |  |

## Learning Outcomes

Upon successful completion of this course, students will be able to:

- Analyze various complexities associated with defining, studying, and measuring terrorist behaviour.
- Assess critically the major types and policy domains of political terrorism.
- Apply the main theories advanced to explain the origins of terrorist behaviour.
- Evaluate the goals and *modus operandi* of anti-state terrorists, including organizational structures, financing, weapons, tactics, and targets, use of the media and social media and whether anti-state terrorism is 'effective'.
- Assess how public administrative agencies, particularly law enforcement and national security entities, deal with terrorism, and whether counter-terrorism efforts are 'legal' and 'effective'.
- Develop case studies of specific anti-state terrorist groups and their use of political violence with the aim of understanding the varied and complex historical and geopolitical contexts in which violent extremism emerges and the intricacies of preventing and countering political terrorism.

## Prior Learning Assessment and Recognition (PLAR)

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

## Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Lectures, class discussion, group work, guest speakers.

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐      Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

**NOTE:** The following sections may vary by instructor. Please see course syllabus available from the instructor.

## Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)

| Author (surname, initials) | Title (article, book, journal, etc.)                                                                                                                               | Current ed.                         | Publisher         | Year |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|------|
| 1. Martin, G               | <i>Essentials of Terrorism. Concepts and Controversies (Fourth Edition). OR Understanding Terrorism: Challenges, Perspectives and Issues (most recent edition)</i> | <input checked="" type="checkbox"/> | Sage Publications | 2017 |
| 2. Hamilton, D & Rimsa, K. | Terror Threat. International and Homegrown Terrorists and Their threat to Canada (recommended)                                                                     | <input type="checkbox"/>            | Dundurn Press     | 2007 |
| 3.                         |                                                                                                                                                                    | <input type="checkbox"/>            |                   |      |
| 4.                         |                                                                                                                                                                    | <input type="checkbox"/>            |                   |      |
| 5.                         |                                                                                                                                                                    | <input type="checkbox"/>            |                   |      |

## Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

## Typical Evaluation Methods and Weighting

|                      |     |                               |     |                   |     |            |      |
|----------------------|-----|-------------------------------|-----|-------------------|-----|------------|------|
| Exam:                | 25% | Participation and group work: | 10% | Midterm exam:     | 25% | Practicum: | %    |
| Quizzes/tests:       | %   | Lab work:                     | %   | Field experience: | %   | Shop work: | %    |
| Case Study Analysis: | 30% | Group Presentation:           | 10% | Other:            | %   | Total:     | 100% |

## Details (if necessary):

## Typical Course Content and Topics

|             |                                                           |
|-------------|-----------------------------------------------------------|
| Week 1:     | Introduction to terrorism                                 |
| Weeks 2-3:  | Definitions of terrorism                                  |
| Week 4:     | The causes of terrorism                                   |
| Week 5:     | The goals, tactics and targets of terrorism               |
| Week 6:     | State terrorism                                           |
| Week 7:     | International ethnic, ideological and religious terrorism |
| Week 8:     | Domestic and single-issue terrorism                       |
| Weeks 9-10: | The war on terrorism                                      |
| Week 11:    | Future trends and projections                             |
| Week 12:    | Exam                                                      |
| Week 13:    | Case study presentations                                  |



ORIGINAL COURSE IMPLEMENTATION DATE: September 2012  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED: (six years after UEC approval) February 2024  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 402                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Mental Disorder and Crime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br>Students will review the history and current legislation that govern mental disorder and crime. The relationship between crime and specific disorders, such as Fetal Alcohol Spectrum Disorder and schizophrenia, will be examined. The response to these disorders by criminal justice agencies will be evaluated.                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | 45 university-level credits including 9 credits of 100- or 200- level CRIM<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including 9 credits of 100- or 200- level CRIM                                                                                                                                                                                                                                                                                                                 |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>CRIM 410G</b><br>Cross-listed with: <b>NONE</b><br>Equivalent course(s): <b>NONE</b><br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                                                                                                                                            |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture hours</td> <td style="text-align: right;">30</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td style="text-align: right;"><b>Total</b></td> <td style="text-align: right;"><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30 | Seminars/tutorials/workshops | 15 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Maximum enrolment (for information only):</b> 27<br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**CRIM 402**
**University of the Fraser Valley Official Undergraduate Course Outline**
**Page 2 of 2**
**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Describe the historical relationship between mental disorder and criminality, including traditional criminal justice responses to the mentally ill;
- Critically compare federal and provincial legislation governing the relationship between mental disorders and crime;
- Analyze the relationship between specific forms of mental disorders and criminality;
- Articulate the relationship between mental disorders and crime in vulnerable populations; and
- Critically evaluate best practices among criminal justice and social service agencies in responding to mentally disordered offenders.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lectures, class discussion, group work.

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

|    | Author (surname, initials)                   | Title (article, book, journal, etc.)                                                   | Current ed.              | Publisher                                            | Year |
|----|----------------------------------------------|----------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------|------|
| 1. | Gray, J. E., Shone, M. A., and Liddle, P. F. | Canadian Mental Health Law and Policy                                                  | <input type="checkbox"/> | LexisNexis Canada, Inc.                              | 2008 |
| 2. | Gosselin, D.                                 | Crime and Mental Disorders: The Criminal Justice Resposne                              | <input type="checkbox"/> | West Academic Publishers                             | 2017 |
| 3. | Roach, K.                                    | Criminal Law                                                                           | <input type="checkbox"/> | Irwin Law, Inc.                                      | 2012 |
| 4. | Verbrugge, P.                                | Fetal Alcohol Spectrum Disorder and the Youth Criminal Justice Act: A Discussion Paper | <input type="checkbox"/> | Department of Justice Canada: Youth Justice Research | 2003 |
| 5. | Wiener, R. L., and Brank, E. M.              | Problem Solving Courts: Social Science and Legal Perspectives                          | <input type="checkbox"/> | Springer Science+Business Media, LLC                 | 2013 |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**
**Typical Evaluation Methods and Weighting**

|                     |     |              |     |                   |     |            |      |
|---------------------|-----|--------------|-----|-------------------|-----|------------|------|
| Final exam:         | 25% | Assignments: | %   | Midterm exam:     | 25% | Practicum: | %    |
| Quizzes/tests:      | %   | Lab work:    | %   | Field experience: | %   | Shop work: | %    |
| Group Presentation: | 15% | Term Paper:  | 35% | Other:            | %   | Total:     | 100% |

**Details (if necessary):**
**Typical Course Content and Topics**

Week 1: Introduction to the course  
 Week 2: Diagnosis and assessment  
 Week 3: Mental health legislation  
 Week 4: Police and mental illness  
 Week 5: Fitness to stand trial and criminal responsibility  
 Week 6: Exam 1  
 Week 7: Forensic psychiatric services  
 Week 8: Risk assessment, dangerousness, and civil commitment  
 Week 9: Special populations  
 Week 10: Interventions  
 Week 11: Exam 2  
 Week 12: Group presentations  
 Week 13: Group presentations





**ORIGINAL COURSE IMPLEMENTATION DATE:** September 1992  
**REVISED COURSE IMPLEMENTATION DATE:** September 2020  
**COURSE TO BE REVIEWED: (six years after UEC approval)** September 2024  
**Course outline form version:** 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Course Full Title:</b> Selected Topics in Crime and Criminal Justice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Course Short Title (if title exceeds 30 characters):</b> Topics in Crime & CJ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Calendar Description:</b><br>Critically reviews selected criminal justice phenomena through an analysis of theory, methods, and research.<br><br>Note: Students should check with the School of Criminology and Criminal Justice or the timetable to determine content area and pre-requisites for a particular semester.                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | 45 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.<br><br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>NONE</b><br>Cross-listed with: <b>NONE</b><br>Equivalent course(s): <b>NONE</b><br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                                                                                                                                          |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Transfer credit requested (OReg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br><br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture hours</td><td style="text-align: right;">30</td></tr> <tr><td>Seminars/tutorials/workshops</td><td style="text-align: right;">15</td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td></td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;"><b>Total</b></td><td style="text-align: right;"><b>45</b></td></tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 30 | Seminars/tutorials/workshops | 15 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input checked="" type="checkbox"/> Yes, no limit<br><br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Maximum enrolment (for information only):</b> 27<br><br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Fall/Winter                                                                                                                                                                                                                                                                                                                                                                 |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                     |  |

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Comprehensively describe the elements related to the criminal justice topic under study;
- Critically analyze the specific criminal justice related issue, institution, activity, or practice under study; and
- Apply relevant theories/policies/practices to the criminal justice topic under study.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods** (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Lectures and group work

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐

**NOTE:** The following sections may vary by instructor. Please see course syllabus available from the instructor.

**Typical Text(s) and Resource Materials** (if more space is required, download Supplemental Texts and Resource Materials form)

|    | Author (surname, initials)          | Title (article, book, journal, etc.)                                                     | Current ed.              | Publisher               | Year |
|----|-------------------------------------|------------------------------------------------------------------------------------------|--------------------------|-------------------------|------|
| 1. | Van Tongeren Harvey, W. & Dauns, P. | Sexual offences Against Children and the Criminal Trial Process                          | <input type="checkbox"/> | Lexis Nexis             | 2001 |
| 2. | Perlin, M.L. & Cucolo, H.E.         | Shaming the Constitution: The Detrimental Results of Sexual Violent Predator Legislation | <input type="checkbox"/> | Temple University Press | 2017 |
| 3. | Terry, K.J.                         | Sexual Offenses and Offenders: Theory, Practice, and Policy                              | <input type="checkbox"/> | Cengage                 | 2012 |
| 4. |                                     |                                                                                          | <input type="checkbox"/> |                         |      |
| 5. |                                     |                                                                                          | <input type="checkbox"/> |                         |      |

**Required Additional Supplies and Materials** (software, hardware, tools, specialized clothing, etc.)

**Typical Evaluation Methods and Weighting**

|                     |     |                   |     |                   |     |            |      |
|---------------------|-----|-------------------|-----|-------------------|-----|------------|------|
| Final exam:         | 35% | Assignments:      | %   | Midterm exam:     | 25% | Practicum: | %    |
| Quizzes/tests:      | %   | Lab work:         | %   | Field experience: | %   | Shop work: | %    |
| Group Presentation: | 15% | Essay Assignment: | 25% | Other:            | %   | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

Week 1: Course introduction  
 Week 2: Sexual offences and the Criminal Code I  
 Week 3: Sexual offences and the Criminal Code II  
 Week 4: Child abuse and the internet  
 Week 5: Medical and psychological harms of sexual victimization  
 Week 6: Investigation of alleged sexual offenders  
 Week 7: Exam  
 Week 8: Prosecuting sexual offenders against adults: Preparing witnesses, procedural considerations  
 Week 9: Prosecuting sexual offenders against children: Assessing validity of claims and preparing testimony  
 Week 10: Prosecution in multivictim and/or historical cases  
 Week 11: Psychological assessment of sexual offenders and use of expert testimony  
 Week 12: Criminal justice responses to sexual offenders  
 Week 13: Review for exam



ORIGINAL COURSE IMPLEMENTATION DATE: September 1992  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED: (six years after UEC approval) September 2024  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|---|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|----|----------------------|--|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Organized Crime                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br>Examines the issue of organized crime in Canada and its transnational dimension. Grounded in empirical research on various forms of organized crime and on the effectiveness of the criminal justice system response to this particular threat.                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | 45 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.                                                                                                                                                                                                                                           |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>NONE</b><br>Cross-listed with: <b>NONE</b><br>Equivalent course(s): <b>NONE</b><br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                      |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1"> <tr> <td>Lecture hours</td> <td>30</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td>3</td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td>12</td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30 | Seminars/tutorials/workshops | 3 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities | 12 | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Maximum enrolment (for information only): 27</b><br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Winter                                                                                                                                                                                                                                                                                                                                                                  |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Amy Prevost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |   |                  |  |                        |  |                                            |  |                            |    |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**CRIM 412**

**University of the Fraser Valley Official Undergraduate Course Outline**

**Page 2 of 2**

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Analyze critically issues relating to organized crime and transnational organized crime;
- Recognize some of the greatest challenges organized crime poses for Canadian society and for the criminal justice system;
- Analyze critically academic, government and media reports on organized crime;
- Compare the effectiveness of various crime prevention, law enforcement, and other criminal justice strategies to counter organized crime

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lectures, class discussions, guest speakers.

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials) | Title (article, book, journal, etc.)             | Current ed.                         | Publisher               | Year |
|----------------------------|--------------------------------------------------|-------------------------------------|-------------------------|------|
| 1. Beare, M.               | Criminal Conspiracies -Organized Crime in Canada | <input checked="" type="checkbox"/> | Oxford University Press | 2015 |
| 2.                         |                                                  | <input type="checkbox"/>            |                         |      |
| 3.                         |                                                  | <input type="checkbox"/>            |                         |      |
| 4.                         |                                                  | <input type="checkbox"/>            |                         |      |
| 5.                         |                                                  | <input type="checkbox"/>            |                         |      |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

**Typical Evaluation Methods and Weighting**

|                |     |                |     |                   |     |            |      |
|----------------|-----|----------------|-----|-------------------|-----|------------|------|
| Final exam:    | 30% | Assignments:   | %   | Midterm exam:     | 30% | Practicum: | %    |
| Quizzes/tests: | %   | Lab work:      | %   | Field experience: | %   | Shop work: | %    |
| Paper:         | 30% | Participation: | 10% | Other:            | %   | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

Week 1: Introduction and overview

Week 2: Academic literature and research.

Week 3: Explaining the existence of organized crime: the theories behind organized crime

Week 4: Legal and international treaty definitions of organized crime; the United Nations Convention against Transnational Organized Crime and the protocols thereto

Week 5: Organized crime in Canada

Week 6: Midterm

Week 7: Criminal markets in Canada

Week 8: Corruption and organized crime; money laundering; emerging crime

Week 9: Organized crime enforcement: approaches and strategies

Week 10: The politics of organized crime legislation

Week 11: Organized crime enforcement and control: policing and prosecution issues

Week 12: Organized crime prevention

Week 13: International cooperation in combatting transnational organized crime



**ORIGINAL COURSE IMPLEMENTATION DATE:** September 1992  
**REVISED COURSE IMPLEMENTATION DATE:** September 2020  
**COURSE TO BE REVIEWED:** (six years after UEC approval) September 2024  
**Course outline form version:** 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 416                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Media, Crime, and Criminal Justice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br>Focuses on the relationship between media and the criminal justice system. The "social construction of reality", role of the media in creating and maintaining ideologies about crime, media distortion and sensationalism, and media as a cause and cure for crime are discussed.                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | 45 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.                                                                                                                                                                                                                                           |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number:<br>Cross-listed with:<br>Equivalent course(s):<br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture hours</td> <td style="text-align: right;">30</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td style="text-align: right;"><b>Total</b></td> <td style="text-align: right;"><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30 | Seminars/tutorials/workshops | 15 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Maximum enrolment (for information only):</b> 27<br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**CRIM 416**

**University of the Fraser Valley Official Undergraduate Course Outline**

**Page 2 of 2**

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Describe the role and influence of the mass media in shaping public attitudes about crime and criminal justice in our society;
- Explain the “social construction of reality”;
- Analyze contextually the effect of media on the public’s perceptions of the relationship between gender, ethnicity and crime;
- Analyze how mass media are an integral part of the dynamics which promote crime, crime prevention, and criminal justice policies in Canada;
- Assess critically mass media content about criminal justice; and
- Analyze the use of the media by the criminal justice system.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lecture and class discussion

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No x

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials) | Title (article, book, journal, etc.)                                     | Current ed.              | Publisher                                                   | Year |
|----------------------------|--------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------|------|
| 1. Douai, Z. & Perry, B.   | A different lens? How ethnic minority media cover crime.                 | <input type="checkbox"/> | <i>Canadian Journal of Criminology and Criminal Justice</i> | 2018 |
| 2. Surette, R.             | Cause or catalyst: the interaction of real world and media crime models. | <input type="checkbox"/> | <i>American Journal of Criminal Justice</i>                 | 2013 |
| 3. Schneider, C.J.         | Policing and social media: Social control in an era of new media         | <input type="checkbox"/> | Rowman & Littlefield                                        | 2017 |
| 4.                         |                                                                          | <input type="checkbox"/> |                                                             |      |
| 5.                         |                                                                          | <input type="checkbox"/> |                                                             |      |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |     |            |      |
|----------------|-----|--------------|-----|-------------------|-----|------------|------|
| Final exam:    | 30% | Assignments: | 40% | Midterm exam:     | 30% | Practicum: | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Field experience: | %   | Shop work: | %    |
| Other:         | %   | Other:       | %   | Other:            | %   | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

Week 1 Introduction: course overview

Week 2 The social construction of reality: the constructionist view of crime and criminal justice in the media

Week 3 Analyzing the media: contextual analysis (gender, ethnicity, crime, and the media)

Week 4 Analyzing the media: context analysis, ideology, and hegemony (gender, ethnicity, crime, and the media)

Week 5 Crime and the criminal justice system as represented in the entertainment media: print, film, television, and radio

Week 6 Crime and justice in the news media

Week 7 Media influence on attitudes, beliefs, and perceptions about crime and the justice system

Week 8 Distortion of criminal justice issues in the media

Week 9 Sensationalism and crime news: serial murderers and myth construction

Week 10 Media as a cause and cure for crime

Week 11 Media trials: media coverage and the courts

Week 12 The question of corporate crime: pack journalism and the Westray Mine disaster

Week 13 Criminological praxis: deconstructing and reconstructing the news



ORIGINAL COURSE IMPLEMENTATION DATE: September 2018  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED: (six years after UEC approval) September 2024  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 418                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Techniques of Crime Prevention                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br>Critically examines the contemporary field of crime prevention. Students will examine the theoretical foundations of various approaches to crime prevention and the evaluative research available to assess the efficacy of these initiatives.                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | 45 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.                                                                                                                                                                                                                                           |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number:<br>Cross-listed with:<br>Equivalent course(s):<br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture hours</td> <td style="text-align: right;">30</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td style="text-align: right;"><b>Total</b></td> <td style="text-align: right;"><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30 | Seminars/tutorials/workshops | 15 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Maximum enrolment (for information only): 27</b><br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**CRIM 418**

**University of the Fraser Valley Official Undergraduate Course Outline**

**Page 2 of 2**

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Articulate the complex meaning of the term 'crime prevention'.
- Explain how crime prevention policies and practices are linked to political ideologies and beliefs about crime, whether or not such beliefs are accurate.
- Critique major crime prevention approaches that have been tried in Canada and other countries in terms of their underlying theory, assumptions, and potential for or actual success based on the available empirical research evidence.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lectures, guest speakers

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials) | Title (article, book, journal, etc.)  | Current ed.                         | Publisher                          | Year |
|----------------------------|---------------------------------------|-------------------------------------|------------------------------------|------|
| 1. Schneider, S. P         | Crime Prevention: Theory and Practice | <input checked="" type="checkbox"/> | CRC Press Taylor and Francis Group | 2015 |
| 2.                         |                                       | <input type="checkbox"/>            |                                    |      |
| 3.                         |                                       | <input type="checkbox"/>            |                                    |      |
| 4.                         |                                       | <input type="checkbox"/>            |                                    |      |
| 5.                         |                                       | <input type="checkbox"/>            |                                    |      |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 25% | Assignments: | 65% | Midterm exam:     | % | Practicum: | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Field experience: | % | Shop work: | %    |
| Participation: | 10% | Other:       | %   | Other:            | % | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

1. Course introduction.
2. Theories and practices. What is crime prevention? Components and challenges of crime prevention within the criminal justice system.
3. Situational Crime Prevention (SCP): Discussion will focus on applied definitions, theories, assumptions, programs and critiques of SCP.
4. Crime Prevention through Environmental Design (CPTED). Applying theory of SCP through CPTED. Assignment #1 instructions.
5. Crime Prevention through Social Development (CPSD). Underlying theories, risk factors, application.
6. Restorative action as crime prevention. Guest speaker.
7. Assignment #1 due/Assignment #1 presentations
8. Assignment presentations (1st half of class). Community- and problem-oriented policing. Theories, distinguishing characteristics, and application.
9. Community- and problem-oriented policing continued. Planning, implementing, and assessing a project (class exercise: practical application to a local problem). Assignment #2 instructions (CAPRA). Assignment #3 (major paper).
10. Terrorism prevention: Is it effective? Guest speaker. Assignment #2 due.
11. Crime reduction model. Guest speaker.
12. Community Crime Prevention (CPP): A look at theories, practices, and programs associated to the importance of CPP.
13. Assignment #3 due. Role of government and police in crime prevention.





ORIGINAL COURSE IMPLEMENTATION DATE:

REVISED COURSE IMPLEMENTATION DATE:

September 2020

COURSE TO BE REVIEWED: (six years after UEC approval)

September 2024

Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|---|----------------------|--|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 419                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Number of Credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Victimology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Department (or program if no department):</b> Criminology and Criminal Justice                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br><p>An introduction to victimology's key concepts and to the study of various forms of victimization, the risk of victimization, the experience of victims of crime, the rights of victims, and the impact of various forms of victimization and associated trauma.</p>                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | 45 university-level credits including 9 credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: 60 university-level credits including 9 credits of 100- or 200-level CRIM.                                                                                                                                                                                                                                                                                                                 |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number:<br>Cross-listed with:<br>Equivalent course(s):<br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                          |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1"> <tr> <td>Lecture hours</td> <td>20</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td>20</td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td>5</td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20 | Seminars/tutorials/workshops | 20 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities | 5 | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Maximum enrolment (for information only):</b> 27<br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                                                                |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |    |                  |  |                        |  |                                            |  |                            |   |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Discuss critically the contribution of victimology to our current understanding of victims of crime, their experience of victimization and the nature of their contacts with the criminal justice system
- Apply victimological theory to the study of complex forms of victimization
- Recognize basic trends in victimization patterns in Canada and internationally
- Describe how different groups are exposed to varying degrees to different risks of victimization
- Analyze how individuals and groups make successful social and legal claims to victimhood
- Discuss the inequality in recognition of victim status
- Explain how the rights of victims of crime are defined and protected, nationally and internationally
- Compare the relative effectiveness of policies and programs implemented in Canada and abroad for empowering victims and offering them protection, support, and assistance, including restorative justice

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lectures, guest lectures, group discussion, practical in-class exercises, analyses of information media representations.

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials)      | Title (article, book, journal, etc.)                                                                        | Current ed.                         | Publisher                             | Year |
|---------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|------|
| 1. Wemmers, J-A M               | Victimology – A Canadian Perspective                                                                        | <input checked="" type="checkbox"/> | Univ of Toronto Press                 | 2017 |
| 2. Boyce, J.                    | Victimization of Aboriginal People in Canada, 2014                                                          | <input checked="" type="checkbox"/> | Statistics Canada                     | 2015 |
| 3. Dandurand Y. & Griffiths, C. | Handbook on Restorative Justice Programmes                                                                  | <input checked="" type="checkbox"/> | United Nations                        | 2007 |
| 4. De Guissmé, L. & L. Licata   | Competition Over Collective Victimhood Recognition, European Journal of Social Psychology, 47 (1): 148–166. | <input checked="" type="checkbox"/> | European Journal of Social Psychology | 2017 |
| 5. Perreault, L.                | Criminal Victimization in Canada                                                                            | <input checked="" type="checkbox"/> | Statistics Canada                     | 2015 |

**Typical Evaluation Methods and Weighting**

|             |     |              |     |                |     |               |     |
|-------------|-----|--------------|-----|----------------|-----|---------------|-----|
| Final exam: | 30% | Assignments: | 50% | Participation: | 10% | Presentation: | 10% |
|-------------|-----|--------------|-----|----------------|-----|---------------|-----|

**Typical Course Content and Topics**

1. Introduction to victimology; history of victimology; victimology's links to criminology.
2. Evolution of the notion of crime victim; legal definitions of victims.
3. Victimization surveys; forms of victimization; recent victimization surveys in Canada; victimization of Aboriginal people in Canada; preventing victimization.
4. Risks of victimization and theoretical victimology; multiple victims; poly-victims and proneness to victimization.
5. The impact of victimization; trauma-informed approaches; responding to complex trauma in victims; developmental victimology, adverse childhood experiences, and their impact on child development; preventing violence against children.
6. Victims' rights; the Canadian Bill of Rights; the United Nations Declaration of Basic Principles on Justice for Victims of Crime and Abuse of Power; the European Union Directive.
7. Victims' needs and victim assistance; support for victims of crime in Canada, the USA, and Europe.
8. Types of victimization and their impact on victims; victims of financial crimes, fraud, and corruption; online fraud; identity theft; armed robbery; corporate crimes (corporate criminal liability and victims); state crimes, genocide, and crimes against humanity; victims of hate crimes; human trafficking; terrorist acts; family violence and intimate partner violence; sexual crimes; violence against children.
9. Elements of effective responses to different types of victimization.
10. Victim participation in the criminal justice process; tort law in Canada and available remedies for victims of crime; victim participation in proceedings of the International Criminal Court.
11. Restorative justice principles, processes, practices, programs, and outcomes; the United Nations Basic Principles on the Use of Restorative Justice Programmes in Criminal Matters; victim participation in and satisfaction with restorative justice; the role of community in restorative justice; restorative justice and the alleviation of the emotional effect of violent crime; difference between restorative justice and traditional justice practices.
12. Victims and witness protection; justice in matters involving child victims and witnesses of crime; the United Nations Guidelines on Justice in Matters Involving Child Victims and Witnesses of Crime; Compendium of United Nations Standards and Norms in Crime Prevention and Criminal Justice.
13. The social psychology of collective victimhood; claims of victimhood and "competitive victimhood"; the notion of intergenerational trauma.



ORIGINAL COURSE IMPLEMENTATION DATE: September 1992  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED: (six years after UEC approval) September 2024  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|--|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 450                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Course Full Title:</b> Social Policy Analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Calendar Description:</b><br>Discusses how social and criminal justice problems are recognized, defined, and solved with policy. Focuses on the construction, implementation, and evaluation of policy, and examines various influencing forces over policymaking.                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | Admission to the Bachelor of Arts (Criminal Justice) and 45 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM.<br>Note: As of January 2021, prerequisites will change to: Admission to the Bachelor of Arts (Criminal Justice) and 90 university-level credits including CRIM 100, CRIM 103, and 3 additional credits of 100- or 200-level CRIM                                                                                                  |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>NONE</b><br>Cross-listed with: <b>NONE</b><br>Equivalent course(s): <b>NONE</b><br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                   |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="#">bctransferguide.ca</a> . |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1"> <tr> <td>Lecture hours</td> <td>45</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td></td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 45 | Seminars/tutorials/workshops |  | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i><br><b>Maximum enrolment (for information only):</b> 27<br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Winter |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 45        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date approved:</b> January 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> February 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                              |  |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |

**CRIM 450**

**University of the Fraser Valley Official Undergraduate Course Outline**

**Page 2 of 2**

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

- Assess critically the types of social, economic, political, legal, and cultural forces influencing the construction of social policies;
- Discuss the role of social policy in solving issues relating to crime and criminal justice;
- Apply various models of problem definition;
- Compare and contrast theories and methods of policy implementation;
- Identify, evaluate, and compare intended and unintended consequences of policy options;
- Locate the practice of policy analysis within a global context;
- Discuss the role of evidence in policymaking
- Critique the dynamics involved in balancing democratic processes and expertise in various approaches to policy analysis; and
- Apply various evaluative models to a range of social policy analyses.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes      ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

Lecture, class discussion, group presentations.

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No x

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials) | Title (article, book, journal, etc.)                               | Current ed.              | Publisher | Year |
|----------------------------|--------------------------------------------------------------------|--------------------------|-----------|------|
| 1. Pal, L.A.               | Beyond Policy Analysis: Public Issue Management in Turbulent Times | 5                        | Nelson    | 2014 |
| 2.                         |                                                                    | <input type="checkbox"/> |           |      |
| 3.                         |                                                                    | <input type="checkbox"/> |           |      |
| 4.                         |                                                                    | <input type="checkbox"/> |           |      |
| 5.                         |                                                                    | <input type="checkbox"/> |           |      |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

**Typical Evaluation Methods and Weighting**

|                    |     |                      |     |                   |     |            |      |
|--------------------|-----|----------------------|-----|-------------------|-----|------------|------|
| Final exam:        | 25% | Class Participation: | 10% | Midterm exam:     | 20% | Practicum: | %    |
| Quizzes/tests:     | %   | Lab work:            | %   | Field experience: | %   | Shop work: | %    |
| Outline for Paper: | %   | Presentation:        | 20% | Written Paper:    | 25% | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

Week 1 Introduction to the course  
 Week 2 Criminology and public policy  
 Week 3 Social policy in Canada  
 Week 4 Problem definition  
 Week 5 Agenda setting  
 Week 6 Exam 1  
 Week 7 Evidence-based policy  
 Week 8 Policy instruments  
 Week 9 Policy implementation  
 Week 10 Policy and program evaluation  
 Week 11 Exam 2  
 Week 12 Presentations  
 Week 13 Presentations

**Memo for Course Changes**

To: Samantha Pattridge, CACC Chair

From: Amanda McCormick, Director, School of Criminology and Criminal Justice

Date: July 10, 2019

**Subject: Proposal for revision of CRIM 479 Professional Practice**

1. Summary of changes (select all that apply):

- ☐ Six-year review
- ☐ Number and/or course code
- ☐ Credits and/or total hours
- ☐ Title
- ☒ Calendar description
- ☒ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☒ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☐ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change:

- a. We are removing the CRIM 281 pre-req from the CRIM 480 course outline, to enable students who did not meet the pre-reqs for their 200-level practicum but who now meet the pre-reqs for the 400-level practicum to enrol in CRIM 480. As such, we are removing CRIM 281 from the practicum co-req, CRIM 479.
  - b. Re: calendar description and learning outcome changes - CRIM 479 is a co-required course with our 4<sup>th</sup> year fieldwork practicum course and is designed to further cement the relationship between theory and practice among our Criminal Justice degree students. We ran CRIM 479 for the first time this last academic year and determined that some revisions are required to more clearly articulate to students that while these are co-required courses, they have different learning outcomes and procedures.
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): The learning outcomes have been revised slightly but have not changed substantially. Students are expected to consider where and how theory and practice work together, in preparation for employment post-graduation.
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? No and n/a
5. Which program areas have been consulted about the change(s)? n/a

6. What consideration has been given to indigenizing the curriculum? Some of our practicum placements are with Indigenous groups (e.g. Native Courtworkers, Mission Friendship Centre) or with agencies that work with Indigenous populations (e.g. Victim Services, Correctional Service of Canada)
7. If this course is not eligible for PLAR, explain why:
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area:
  - a. Credit value
  - b. Class size limit
  - c. Frequency of offering
  - d. Resources required (labs, equipment)
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? Estimate of the typical costs for this course, including textbooks and other materials:



ORIGINAL COURSE IMPLEMENTATION DATE: September 2018  
 REVISED COURSE IMPLEMENTATION DATE: September 2020  
 COURSE TO BE REVIEWED: (six years after UEC approval) February 2024  
 Course outline form version: 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note:** The University reserves the right to amend course outlines as needed without notice.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|------------------|--|------------------------|--|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 479                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Professional Practice II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br>Enhances field placement learning through the application and analysis of foundational concepts, skills, and theories from previous coursework, drawing links between theory and practice.                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | Acceptance into the Criminal Justice degree program, CRIM 310, CRIM 311, CRIM 320, CRIM 321, and department permission.                                                                                                                                                                                                                                                                                                                                                                       |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | CRIM 480.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number:<br>Cross-listed with:<br>Equivalent course(s):<br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                         |           | <b>Transfer Credit</b><br>Transfer credit already exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input type="checkbox"/> No<br>To find out how this course transfers, see <a href="#">bctransferguide.ca</a> . |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 45</b><br><b>Typical structure of instructional hours:</b> <table border="1"> <tr> <td>Lecture hours</td> <td>15</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td>30</td> </tr> <tr> <td>Laboratory hours</td> <td></td> </tr> <tr> <td>Field experience hours</td> <td></td> </tr> <tr> <td>Experiential (practicum, internship, etc.)</td> <td></td> </tr> <tr> <td>Online learning activities</td> <td></td> </tr> <tr> <td>Other contact hours:</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>45</b></td> </tr> </table> |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 15 | Seminars/tutorials/workshops | 30 | Laboratory hours |  | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>45</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Maximum enrolment (for information only):</b> 27<br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                             |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> July 10, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date approved:</b> September 13, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Date approved:</b> September 13, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |    |                  |  |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

1. Situate the learner's practicum agency within the broader criminal justice system;
2. Identify key workplace issues they anticipate experiencing in the field of criminal justice;
3. Examine how the overall goals of the criminal justice system are actualized through policies, procedures, and the deployment of resources;
4. Analyze the applicability of theory in the workplace;
5. Discuss the application of problem-solving skills and theories learned in previous coursework to issues that may arise in the field of criminal justice;
6. Assess ethical conflicts that may occur in the workplace and apply an assessment process for resolution;
7. Reflect on the personal and professional development of self and others;
8. Examine how ones' abilities, values, personality traits, and interests align with potential criminal justice careers;
9. Reflect on adjustments and growth in transition from student to criminal justice professional;
10. Develop new ideas and perspectives about the workplace and suitable career opportunities.

**Prior Learning Assessment and Recognition (PLAR)**

☐ Yes ☒ No, PLAR cannot be awarded for this course because: This course provides an opportunity to reflect on experiences occurring during the field practice.

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

The students will participate in lectures, demonstrations, group discussions and exercises, writings, readings and practice sessions, some of which may be required outside of class time with fellow students and without the instructor.

**Grading system:** Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☐

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials) | Title (article, book, journal, etc.) | Current ed. | Publisher | Year |
|----------------------------|--------------------------------------|-------------|-----------|------|
| 1. Coursepack              |                                      |             |           |      |
| 2.                         |                                      |             |           |      |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | %   | Assignments: | 60% | Midterm exam:     |   | Practicum: | %    |
| Quizzes/tests: | %   | Lab work:    | %   | Field experience: | % | Shop work: | %    |
| Participation: | 15% | Portfolio:   | 25% | Other:            | % | Total:     | 100% |

**Details (if necessary):** Participation % tied specifically to seminar involvement.

**Typical Course Content and Topics**

This course will operate using two modules. Module 1 will occur in the first four weeks of the semester, prior to practicum placement beginning. Module 2 will occur for the remaining 12 weeks of the semester, alongside the field placement.

Module 1: Pre-Practicum Preparation

1. Course Overview
2. Professionalism 1 – Field preparation - student role, personal decorum, boundaries, ground rules, self-awareness  
Situating field site agency mandate within the broader criminal justice system  
Introduction of Student Capstone Project (Portfolio, Paper Assignment)
3. Professionalism 2 – General job performance expectations - confidentiality, ethics, reporting lines, work ethic and initiative
4. Professionalism 3 – Key workplace policies and procedures - safety, inclusion, and harassment prevention

Module 2: Guided seminars to facilitate integration of experiential learning in the context of previous course knowledge (theories, policies, legislation) (Class and small group discussion/working teams):

5. Critical workplace issue 1 (Agency policies and practices within broader mandate of the CJS and Taking Initiative)
6. Critical workplace issue 2 (On-boarding with your agency – personal values vs organizational values and concerns)
7. Critical workplace issue 3 (Problem-solving actualized in the workplace, critique, resolution processes)
8. Critical workplace issue 4 (Ethical principles, legal policies, ethical conflicts, critique and resolution process)
9. Critical workplace issue 5 (Diversity in the workplace, policies and practices, critique and resolution process)
10. Critical workplace issue 6 (Emerging issues or other social issues)
11. Moving forward with employment opportunity in Criminal Justice - documenting growth, evaluation of personal interests, values, and options for job fit
12. Portfolio presentation and course wrap up



**Memo for Course Changes**

To: Linda Pardy, CACC Chair

From: Amanda McCormick, Director, School of Criminology and Criminal Justice

Date: Aug 26, 2019

**Subject: Grading change to CRIM 480.**

1. Summary of changes (select all that apply):

- ☐ Six-year review
- ☐ Number and/or course code
- ☐ Credits and/or total hours
- ☐ Title
- ☐ Calendar description
- ☐ Prerequisites and/or co-requisites
- ☐ Frequency of course offering
- ☐ Learning outcomes
- ☐ Delivery methods and/or texts and resource materials
- ☒ PLAR options, grading system, and/or evaluation methods
- ☐ Discontinuation of course
- ☐ Other – Please specify:

2. Rationale for change: We are changing our practicum courses from a graded course to a credit/no credit course. We removed the written paper from CRIM 480 last year and are now doing the same in CRIM 281 (*minor course changes to CRIM 281 have been approved by UEC Screening*), and the credit will be earned instead on the basis of completion of hours, a positive review from the field placement supervisor, and completion of the midterm and final evaluations. This change is consistent with the way practicum courses are run in other programs (e.g. CMNS, CYC, THEA, SOWK).
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): n/a
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? No and n/a
5. Which program areas have been consulted about the change(s)? n/a
6. What consideration has been given to indigenizing the curriculum? Some of our practicum placements are with Indigenous groups (e.g. Native Courtworkers, Mission Friendship Centre) or with agencies that work with Indigenous populations (e.g. Victim Services, Correctional Service of Canada)



**ORIGINAL COURSE IMPLEMENTATION DATE:** January 2005  
**REVISED COURSE IMPLEMENTATION DATE:** September 2020  
**COURSE TO BE REVIEWED:** (six years after UEC approval) February 2024  
**Course outline form version:** 09/15/14

## OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

**Note: The University reserves the right to amend course outlines as needed without notice.**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|------------------|--|------------------------|-----|--------------------------------------------|--|----------------------------|--|----------------------|--|--------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> CRIM 480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | <b>Number of Credits:</b> 6 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Course Full Title:</b> Practicum II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty:</b> Faculty of Social Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | <b>Department (or program if no department):</b> CRIM                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Calendar Description:</b><br>Provides students with a supervised work experience in a criminal justice or community agency.<br><br>Note: Enrolment in this course is by prior arrangement with the Career Development Coordinator.                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | Admission into the Bachelor of Arts (Criminal Justice), CRIM 310, CRIM 311, CRIM 320, CRIM 321; and department permission. See additional practicum regulations in the academic calendar.                                                                                                                                                                                                                                                                                                                        |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | CRIM 479.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number:<br>Cross-listed with:<br>Equivalent course(s):<br><i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>                                                                                                                                                                                                                                                                                                                     |            | <b>Transfer Credit</b><br>Transfer credit already exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Transfer credit requested (OREg to submit to BCCAT):<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)<br><br>Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>To find out how this course transfers, see <a href="#">bctransferguide.ca</a> . |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Total Hours: 200</b><br><b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Lecture hours</td><td></td></tr> <tr><td>Seminars/tutorials/workshops</td><td></td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td style="text-align: center;">200</td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;"><b>Total</b></td><td style="text-align: center;"><b>200</b></td></tr> </table> |            | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Seminars/tutorials/workshops |  | Laboratory hours |  | Field experience hours | 200 | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>200</b> | <b>Special Topics</b><br>Will the course be offered with different topics?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>If yes, different lettered courses may be taken for credit:<br><input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><br><i>Note: The specific topic will be recorded when offered.</i> |  |
| Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>200</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | <b>Maximum enrolment (for information only):</b> 27<br><br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Annually                                                                                                                                                                                                                                                                                                                                            |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Department / Program Head or Director:</b> Amanda McCormick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | <b>Date approved:</b> July 27, 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | <b>Date approved:</b> September 13, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | <b>Date of posting:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | <b>Date approved:</b> September 13, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | <b>Date of meeting:</b> November 22, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                              |  |                  |  |                        |     |                                            |  |                            |  |                      |  |              |            |                                                                                                                                                                                                                                                                                                                                                                                                          |  |

**CRIM 480**

**University of the Fraser Valley Official Undergraduate Course Outline**

**Page 2 of 2**

**Learning Outcomes**

Upon successful completion of this course, students will be able to:

1. Apply various concepts, skills, and theories learned in the classroom;
2. Explain how individual sectors of the criminal justice system work;
3. Critically assess how the overall goals of the system are actualized through policies, procedures, and the deployment of resources;
4. Assess their abilities and interests as a potential criminal justice practitioner; and
5. Perform various skills in which they have been trained.

**Prior Learning Assessment and Recognition (PLAR)**

☒ Yes ☐ No, PLAR cannot be awarded for this course because

**Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)**

The course includes an orientation, one-on-one meetings with the Career Development Coordinator, and two hundred hours of practical experience. Students may be asked to keep daily journals.

**Grading system:** Letter Grades: ☐ Credit/No Credit: ☒ Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

**NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.**

**Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)**

| Author (surname, initials) | Title (article, book, journal, etc.) | Current ed.              | Publisher | Year |
|----------------------------|--------------------------------------|--------------------------|-----------|------|
| 1.                         |                                      | <input type="checkbox"/> |           |      |
| 2.                         |                                      | <input type="checkbox"/> |           |      |
| 3.                         |                                      | <input type="checkbox"/> |           |      |
| 4.                         |                                      | <input type="checkbox"/> |           |      |
| 5.                         |                                      | <input type="checkbox"/> |           |      |

**Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)**

**Typical Evaluation Methods and Weighting**

|                       |     |              |     |                   |   |            |      |
|-----------------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:           | %   | Assignments: | 60% | Midterm exam:     | % | Practicum: | %    |
| Quizzes/tests:        | %   | Lab work:    | %   | Field experience: | % | Shop work: | %    |
| Practicum Evaluation: | 40% | Other:       | %   | Other:            | % | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

200 hours, two-three full days a week in a supervised criminal justice or quasi criminal justice agency.

**Memo for Program Changes**

To: Samantha Pattridge, CACC Chair

From: Amanda McCormick, Director, School of Criminology and Criminal Justice

Date: July 10, 2019

**Subject: Program change (Criminal Justice degree)**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☒ Other – Please specify: Cleaning up language in the calendar copy

2. Rationale for change(s):

- a. We have cleaned up some of the language in the calendar, e.g. to expand on the professions that a Criminal Justice degree can lead into, to make it clear that not all students must undergo a security clearance as this is a practicum-specific requirement, to clarify that practicums are only in Fall and Winter and not “any” semester, and to remind students to meet with the Career Development Coordinator early in the process to plan their practicum
- b. Specified that students can choose from ASTR 103 or 104 for their science elective, rather than any 100-level or higher ASTR course (this is due to ASTR 101 not having a lab), and removed GEOG 101 and 103 from this list due to their being discontinued
- c. We removed the pre-req of CRIM 281 from CRIM 480 and changed the CRIM 335 pre-req to CRIM 321, and updated the calendar to indicate this (note, this latter change was already officially made in 2018 to the CRIM 480 course outline but was missed in the previous calendar updates)
- d. Added two 200-level courses to the list of replacement courses for students not meeting the pre-requisites for the 200-level practicum
- e. Updated the elective list and course title for CRIM 401 (was officially changed Fall 2018) for courses students can choose from when they do not meet the pre-reqs for the 400-level practicum

- f. We have added language around the Study Abroad program to encourage more students to participate
- 3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: n/a
- 4. What consideration has been given to indigenizing the curriculum? Students can take CRIM 211 Indigenous Peoples, Crime, and Criminal Justice or CRIM 215 Theory and Practice of Restorative Justice for their electives, and these are listed as courses students should pick from to replace their practicum credits when they do not meet the requirements for the 200-level practicum
- 5. Will additional resources be required? If so, how will these costs be covered? No and n/a
- 6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program? No impact anticipated
- 7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline? No and n/a
- 8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.) None anticipated
- 9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. No and n/a
- 10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget. n/a

## CRIMINOLOGY/CRIMINAL JUSTICE

[ufv.ca/criminology](http://ufv.ca/criminology)

### Bachelor of Arts (Criminal Justice) degree

A four-year, 121- or 122-credit program which provides for advanced study beyond the Criminal Justice diploma program. ~~Specifically, the program prepares students for front line jobs after two years, but it also provides them with the opportunity beyond that (within an additional two years of study)~~ The degree program enables students to acquire a liberal arts orientation and develop the research skills, knowledge base, and analytical ability necessary for graduate studies and advanced career opportunities in the criminal justice field. This program will be of interest to people already working in the criminal justice field who seek supervisory positions, and to those who ultimately seek careers in the areas of criminal investigation, national security, evaluation research, crime prevention, crime analysis, dispute resolution, offender case management (including probation and parole), and criminal law.

### Entrance requirements

All applicants must:

1. Be willing to undergo an initial security clearance check and further checks as may be required in individual courses. (Please do not submit until requested.)
2. ~~Provide a statement from a physician as evidence of good health as may be required in individual courses. (Please do not submit until requested.)~~
3. 2. Attend an orientation session during which criminal justice faculty and staff present an overview of the ~~options available and career opportunities in criminal justice program and the various career, research, and study opportunities available~~. Students will be contacted regarding the orientation process.

### Option 1: Secondary school (for students with secondary school graduation only)

1. B.C. secondary school graduation or equivalent.
2. A minimum of a B average in the following: English Studies 12 or English First Peoples 12 (see Note) and two other Approved Grade 12 courses.

Note: Students may also present English 12, English Literature 12, English 12 First Peoples, AP English, IB English A (standard level or higher level), or out-of-province equivalent.

3. Prerequisites for [CMNS 125](#) or [ENGL 105](#). Acceptance will be conditional upon proof of having met this entrance requirement. Applicants are encouraged to submit proof as soon as it is available and prior to registering.

## Option 2: University entrance (for students who have attended some post-secondary school)

Admission to the BA (Criminal Justice) is on a competitive basis. The following are the minimum requirements for consideration of entry into the degree program. Students who do not meet these minimum requirements for the degree program might consider enrolling in either the Criminal Justice diploma or [Qualifying Studies](#), depending on their CGPA or secondary school requirements.

1. Prerequisites for [CMNS 125](#) or [ENGL 105](#). Applicants are encouraged to submit proof as soon as it is available and prior to registering.
2. Applicants must have completed, by the end of the Fall semester in the application period, one of the following:
  - A minimum of nine university-level credits with a cumulative GPA of 3.00; or
  - A minimum of 30 university-level credits with a cumulative GPA of 2.50 or better.

## Program duration

The Bachelor of Arts (Criminal Justice) program can be completed in four years of full-time study, with students taking 10 courses per calendar year.

The normal university year is from September through April, with 15–18 credits required in each of the Fall and Winter semesters. Students enrolled in field practicum in ~~any semester~~ [either the Fall or Winter](#) (normally requiring two full days per week) would normally take nine credits in addition to the practicum. Occasionally, courses are challenged for credit, making it possible to complete the program more quickly. Mastery of course objectives must be demonstrated in order

to successfully challenge a course; contact the School of Criminology and Criminal Justice for further information.

## Program outline

The Bachelor of Arts (Criminal Justice) degree program consists of 57 credits of CRIM core requirements, 28–29 credits of breadth requirements, and 36 credits of CRIM and non-CRIM elective courses.

### Core requirements: 57 credits

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| CRIM 100 | Introduction to Criminology                                  | 3       |
| CRIM 103 | Introduction to the Criminal Justice System                  | 3       |
| CRIM 104 | Sociological Explanations of Criminal and Deviant Behaviour  | 3       |
| CRIM 105 | Psychological Explanations of Criminal and Deviant Behaviour | 3       |
| CRIM 129 | Academic and Professional Development                        | 3       |
| CRIM 135 | Introduction to Canadian Law and Legal Institutions          | 3       |
| CRIM 220 | Research Methods in Criminology                              | 3       |
| CRIM 230 | Criminal Law                                                 | 3       |



|          |                                                              |   |
|----------|--------------------------------------------------------------|---|
| CRIM 265 | Problem Management Skills for Criminal Justice Interventions | 3 |
| CRIM 281 | Field Work Practicum                                         | 6 |
| CRIM 310 | Advanced Theoretical Perspectives                            | 3 |
| CRIM 311 | Diversity, Crime, and Criminal Justice in Canada             | 3 |
| CRIM 320 | Quantitative Research Techniques                             | 3 |
| CRIM 321 | Qualitative Research Methods                                 | 3 |
| CRIM 450 | Social Policy Analysis                                       | 3 |
| CRIM 479 | Professional Practice II                                     | 3 |
| CRIM 480 | Field Work Practicum                                         | 6 |

Note: Students wanting a Criminal Justice diploma must also complete CRIM 201, and one of CRIM 202 or CRIM 203. CRIM 201 and CRIM 202 cannot be taken concurrently.

**Breadth requirements: 28–29 credits**

| Course  | Title                    | Credits |
|---------|--------------------------|---------|
| BUS 203 | Organizational Behaviour | 3       |

|                                                                                             |                                                                  |     |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----|
| CMNS 125                                                                                    | Communicating Professionally to Academic and Workplace Audiences | 3   |
| <b>or</b> ENGL 105                                                                          | Academic Writing                                                 |     |
| CMNS 251                                                                                    | Professional Report Writing                                      | 3   |
| <b>or</b> ENGL 108 or higher                                                                | Any ENGL course numbered 108 or higher                           |     |
| POSC 110                                                                                    | Introduction to Canadian Politics                                | 3   |
| PSYC 102                                                                                    | Introduction to Psychology II (see Note 1)                       | 3   |
| SOC 101                                                                                     | Introductory Sociology                                           | 3   |
| <b>One of:</b>                                                                              |                                                                  | 3–4 |
| STAT 104                                                                                    | Introductory Statistics                                          |     |
| STAT 106                                                                                    | Statistics I                                                     |     |
| PSYC 110                                                                                    | Applied Statistical Analysis in Psychology                       |     |
| <b>Plus:</b>                                                                                |                                                                  |     |
| Arts elective: Any 100-level or higher AH, ENGL, FILM, HIST, MOLA, THEA, PHIL, or VA course |                                                                  | 3   |

Science elective: Any 100-level or higher ~~ASTR~~, BIO, CHEM, or PHYS course, or ASTR 103 or 104, or GEOG 101 (discontinued), 102 (discontinued), GEOG 103, or 116 (see Note 2)

4

Note 1: Students who have successfully completed PSYC 101 prior to acceptance do not need to complete PSYC 102.

Note 2: It is recommended that students planning on completing a Bachelor of Arts (Criminal Justice) degree complete their science requirement in the first two years of the program.

## Elective requirements: 36 credits

- A minimum of 12 credits must be taken outside of CRIM.
- At least one elective must be selected from the following list: CRIM 210, CRIM 211, CRIM 212, CRIM 213, CRIM 214, CRIM 216, CRIM 240, CRIM 250, CRIM 251, CRIM 252, CRIM 330, CRIM 335, CRIM 400, CRIM 401, CRIM 402, CRIM 403, CRIM 410, CRIM 411, CRIM 412, CRIM 416, CRIM 417, CRIM 418, CRIM 419, CRIM 435.
- The remaining credits may be taken from any discipline 100-level and higher.
- At least 21 credits must be upper-level.

Note: Students should plan their lower-level electives to ensure they will have the necessary prerequisites for the required upper-level non-criminology electives.

## Practicum regulations

Acceptance into the BA (Criminal Justice) degree program does not guarantee practicum placement.

The prerequisites for placement in CRIM 281 are:

- CGPA of at least 2.67;
- CRIM 100, 103, 104, 105, and 265;

- CRIM 129 with a grade of B- or better;
- CMNS 125, or ENGL 105 or higher;
- The ability to pass a criminal record check; and
- Departmental approval.

The prerequisites for placement in **CRIM 480** are:

- CGPA of at least 2.67;
- ~~CRIM 281~~, 310, 311, 320, and ~~335~~321;
- The ability to pass a criminal record check; and
- Departmental approval.

Students must complete 200 hours of practicum work in each of CRIM 281 and CRIM 480.

Bachelor of Arts (Criminal Justice) students who do not meet the prerequisites for the second-year practicum must take two additional 200-level CRIM electives from the list below in place of CRIM 281. Students who do not meet the prerequisites for the fourth-year practicum must take three upper-level CRIM electives from the list below in place of CRIM 479 and CRIM 480.

Students who did not qualify for CRIM 281 but subsequently qualify for CRIM 480 must complete CRIM 480.

### 200-level electives (select two)

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| CRIM 210 | Youth Crime and Youth Justice System in Canada  | 3       |
| CRIM 211 | Indigenous Peoples, Crime, and Criminal Justice | 3       |
| CRIM 212 | Women, Crime, and Criminal Justice              | 3       |

|                 |                                                   |          |
|-----------------|---------------------------------------------------|----------|
| <u>CRIM 215</u> | <u>Theory and Practice of Restorative Justice</u> | <u>3</u> |
| CRIM 240        | Comparative Criminal Justice Systems              | 3        |
| <u>CRIM 250</u> | <u>Customs and Immigration Law</u>                | <u>3</u> |
| CRIM 251        | Law Enforcement in Canada                         | 3        |
| CRIM 252        | Corrections in Canada                             | 3        |

### Upper-level electives (select three)

| Course          | Title                                                         | Credits  |
|-----------------|---------------------------------------------------------------|----------|
| CRIM 335        | Human Rights and Civil Liberties                              | 3        |
| CRIM 339        | Professional Ethics in Criminal Justice                       | 3        |
| CRIM 400        | Terrorism                                                     | 3        |
| CRIM 401        | <del>Prostitution in</del> <u>Sex Work and the Law Canada</u> | 3        |
| CRIM 402        | Mental Disorder and Crime                                     | 3        |
| CRIM 412        | Organized Crime                                               | 3        |
| <u>CRIM 414</u> | <u>Intervention Techniques in Corrections</u>                 | <u>3</u> |

|                 |                                               |          |
|-----------------|-----------------------------------------------|----------|
| <u>CRIM 417</u> | <u>Leadership in Groups and Organizations</u> | <u>3</u> |
| CRIM 418        | Techniques of Crime Prevention                | 3        |
| <u>CRIM 419</u> | <u>Victimology</u>                            | <u>3</u> |
| CRIM 435        | Innovations in Canadian Public Safety         | 3        |

The Career Development Coordinator will work collaboratively with each student to identify practicum sites that respond to individual learning interests and that provide criminal justice learning opportunities. Practicum placements are competitive and students should meet with the Career Development Coordinator early in the Winter semester to discuss options for Fall placement, and early in the Fall semester to discuss options for Winter placement.

Practicums are offered throughout the region of the Fraser Valley and Metro Vancouver, although other placement sites may be considered. Students are responsible for transportation to and from practicum sites. Students are also responsible for maintaining suitable personal appearance.

The BA (Criminal Justice) degree program must approve any agency or institution that provides placements for student practicums, and reserves the right to change any placement assigned to a student. Students have the right to be informed in writing of the reasons for any change in placement. While the program accepts the responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept that particular student.

## Co-operative Education option

The Co-operative Education option provides students with the opportunity to acquire paid, career-related work experience in conjunction with their studies in the Bachelor of ~~Fine~~-Arts (Criminal Justice) degree program. See the Co-operative Education section for more details.

## Study Abroad

Students can complete a semester of study abroad at an institution with a partnership agreement with UFV. Students interested in Study Abroad opportunities can visit [UFV Abroad International](#) to review the list of countries, institutions, and programs with an exchange partnership with the School of Criminology and Criminal Justice. Students should speak with the Program Advisor prior to selecting their courses for completion abroad.

**Memo for Program Changes**

To: Samantha Pattridge, CACC Chair

From: Amanda McCormick, Director, School of Criminology and Criminal Justice

Date: June 6, 2019

**Subject: Program change (Criminal Justice Honours)**

1. Summary of changes (select all the apply):
  - ☐ Program revision that requires new resources
  - ☐ Addition of new course options or deletion or substitution of a required course
  - ☐ Change to the majority of courses in an approved program
  - ☐ Change to the duration, philosophy, or direction of a program
  - ☐ Addition of a new field of specialization, such as a concentration
  - ☐ Change in requirements for admission
  - ☐ Change in requirements for residency or continuance
  - ☐ Change in admission quotas
  - ☐ Change which triggers an external review
  - ☐ Deletion of a program not included in the Program Discontinuance policy
  - ☒ Other – Please specify: change to the BA Degree to include Honours credits
2. Rationale for change(s): The Criminology Honours program requires students to complete two courses worth a total of 10 credits. In the past, students have been required to complete these 10 credits *over and above* the 120 credits required for the BA degree. We are proposing a change to the calendar copy that students can now complete the 10-credit Honours program *within* the 120 degree credits. One reason for this change is that the BA (Criminal Justice) degree has significantly changed the upper level requirements to allow for students to include a greater range of CRIM or non-CRIM electives, thus enabling students to use the Honours program as part of their degree requirements. A second rationale is that the BA (Criminal Justice) Honours program is inconsistent with other BA Honours programs (e.g. ENGL, HIST, PSYC) that enable students to complete their Honours degree within the BA framework. This change will enable more students to partake in the Honours degree option in our program.
3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: n/a
4. What consideration has been given to indigenizing the curriculum? Students can study Indigenous topics as part of their honours research.
5. Will additional resources be required? If so, how will these costs be covered? n/a
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program? Increase, as this program will be made more accessible and affordable to students



7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline? No
8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.) n/a
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. n/a
10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget.

## CRIMINOLOGY/CRIMINAL JUSTICE

[ufv.ca/criminology](http://ufv.ca/criminology)

# Criminal Justice Honours (for BA (Criminal Justice) students)

The Honours program provides Criminal Justice students with an opportunity to design and carry out their own research project under the supervision of a faculty member. This program is ideal for students intending to pursue post-baccalaureate programming, such as graduate studies or law school.

## Entrance requirements

Once students have completed 90 credits (approximately three full years of study) of coursework with a minimum 3.33 GPA in all courses required for program completion and a minimum of a B+ in each of CRIM 220, CRIM 320, and CRIM 310, they are eligible to apply for entry into the Criminal Justice Honours program.

Interested students are encouraged to seek out information and advice on the honours program from the School of Criminology and Criminal Justice faculty and/or Program Advisor as early as possible in their coursework, and to apply to the honours program at the earliest possible entry date.

## When to apply

Applications must be received by May 15 for a September start date, or September 15 for a January start date for honours studies.

## How to apply

Students will need to provide the following to the School of Criminology and Criminal Justice Program Advisor:

- A Criminal Justice Honours program application form (available from the School of Criminology and Criminal Justice Program Advisor or online at [ufv.ca/criminology](http://ufv.ca/criminology)), signed by the faculty supervisor;
- A copy of their transcripts (unofficial is acceptable); and

- ~~A 300–500 word statement outlining their research interests topic; and~~
- ~~A proposed supervisor for their honours studies.~~

~~The School of Criminology and Criminal Justice Honours Program Committee will review applications and assign accepted students to an appropriate School of Criminology and Criminal Justice faculty supervisor based on their research interests and faculty availability. Students are should encouraged to speak to potential faculty supervisors in advance of applying to the honours program and should indicate on their application form if a particular faculty member has agreed to supervise them, pending the School of Criminology and Criminal Justice Honours Program Committee approval have their supervisor sign their application form. Students can contact the School of Criminology and Criminal Justice Director for guidance on selecting a faculty supervisor.~~

## Program requirements

~~The honours degree can be completed within the 120 credit~~In addition to completing the requirements for the **Bachelor of Arts (Criminal Justice) degree**, h~~As part of their 120 credits,~~honours students must complete an additional 10 upper level credits, consisting of CRIM 490 (Honours Thesis Development ) and CRIM 491 (Honours Project ) consecutively. These courses are primarily student-driven, though the student and faculty ~~advisor-supervisor~~ are expected to meet on a regular basis throughout the semester. During these courses, students will design and complete a research project. See the course descriptions for more details.

~~Students will be required to take CRIM 490 (Honours Thesis Development) in the first semester of the final year, and CRIM 491 (Honours Project) in the second semester of the final year.~~

## Review and continuance

Prior to enrolling in CRIM 491 (Honours Project), each honours student will need to meet with their honours supervisor to assess their progress in the program and ensure preparedness for data collection. At this time, students should submit updated transcripts to their supervisor for review. Students must maintain a CGPA of at least 3.33 in their final year of study,~~with a CGPA of 3.33 for CRIM 490 and CRIM 491, in order for an honours designation to be awarded.~~

## Graduation requirements

In addition to meeting the requirements for a [Bachelor of Arts \(Criminal Justice\) degree](#), successful completion of a research project [and honours thesis](#) is required prior to graduation with an honours designation. The honours research project, which will be developed in consultation with a faculty supervisor, will demonstrate students' skill and knowledge in a given area of criminology and criminal justice. The research project will be designed during CRIM 490 and carried out in the subsequent semester in CRIM 491.

~~Honours students are expected to present their thesis research in one of several settings; Each honours student will then be required to~~ students are encouraged to present the findings of their research at a professional or university conference, [at the University's Student Research Day](#), or in another academic venue ~~(e.g. in an undergraduate or graduate Criminology and Criminal Justice course)~~. Alternative presentation arrangements may be made in consultation with the honours supervisor ~~and the Honours Program Committee~~.

Students will receive a letter grade, recommended by their supervisor, for each of CRIM 490 and CRIM 491 based on their successful design and completion of a research project. ~~The Honours Program Committee will choose whether or not to accept these grades based on a review of students' research work.~~ A minimum CGPA of 3.33 in CRIM 490 and CRIM 491 must be met to graduate with an honours designation.

## Course listings

For complete details on courses see the [course descriptions](#) section.

[Return to main Criminology/Criminal Justice page](#)

**Memo for Program Changes**

To: Samantha Pattridge, CACC Chair

From: Amanda McCormick, Director, School of Criminology and Criminal Justice

Date: July 10, 2019

**Subject: Program change (Criminal Justice diploma)**

1. Summary of changes (select all the apply):

- ☐ Program revision that requires new resources
- ☒ Addition of new course options or deletion or substitution of a required course
- ☐ Change to the majority of courses in an approved program
- ☐ Change to the duration, philosophy, or direction of a program
- ☐ Addition of a new field of specialization, such as a concentration
- ☐ Change in requirements for admission
- ☐ Change in requirements for residency or continuance
- ☐ Change in admission quotas
- ☐ Change which triggers an external review
- ☐ Deletion of a program not included in the Program Discontinuance policy
- ☒ Other – Please specify: Cleaning up language in the calendar copy

2. Rationale for change(s):

- a. We have cleaned up some of the language in the calendar, e.g. to expand on the professions that a Criminal Justice diploma can lead into, to make it clear that not all students must undergo a security clearance as this is a practicum-specific requirement, to clarify that practicums are only in Fall and Winter and not “any” semester, and to remind students to meet with the Career Development Coordinator early in the process to plan their practicum
- b. Changed the specific course listing of 2<sup>nd</sup> year elective courses to more broadly read “any 200-level CRIM elective”
- c. Added two 200-level courses to the list of replacement courses for students not meeting the pre-requisites for practicum
- d. Adding the Co-Op Education option for the diploma, which is currently offered for Criminal Justice Degree students (we have requested Co-Op to make this calendar change)
- e. We have added language around the Study Abroad program to encourage more students to participate
- f. We have removed the language around the BCIT Forensic Investigation Transfer Option. BCIT has expanded their Forensic Investigation paths and the Criminal Justice diploma does not ladder cleanly into this program any longer. The language in the calendar is misleading to students who believe we offer a direct pathway to this program when in reality, they

need to apply and be accepted to BCITs program and will need to take an additional course to meet their program requirements. Students can still be advised about this pathway, but it's misleading to include it in the calendar as a transfer option.

3. If program outcomes are new or substantially changed, explain how they align with the Institutional Learning Outcomes: n/a
4. What consideration has been given to indigenizing the curriculum? Students can take CRIM 211 Indigenous Peoples, Crime, and Criminal Justice or CRIM 215 Theory and Practice of Restorative Justice for their electives, and these are listed as courses students should pick from to replace their practicum credits when they do not meet the practicum requirements
5. Will additional resources be required? If so, how will these costs be covered? No and n/a
6. How will students be impacted? (Indicate the projected number of students impacted.) Is the change expected to increase/decrease enrolment in the program? No impact anticipated
7. Does the number of required core or elective credits from the program-specific discipline change? If so, will this change the total number of courses to be offered within the discipline? No and n/a
8. Identify any available resources that will be used to accommodate the program changes. (Eg. seats in existing classes, conversion of sections, timetabling changes, deletion of courses, etc.) None anticipated
9. Is the number of required or elective courses from other disciplines in the program changing? If so, what is the estimated impact to enrolments in these courses? Provide a memo from the respective dean(s) of the impacted faculty to confirm if budgetary implications have been considered and addressed. No and n/a
10. Provide a memo from the program's dean to confirm that budgetary implications of the proposed changes have been considered and will be addressed within the faculty budget. n/a

**Arts Committees**

---

**From:** Amanda McCormick  
**Sent:** July-15-19 10:35 AM  
**To:** Arts Committees  
**Subject:** FW: Adding CRIM Diploma to the Co-Op

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Keri,

Please use the email below instead, thank you!  
Amanda

Amanda McCormick, PhD  
Director, School of Criminology and Criminal Justice  
Associate Professor, University of the Fraser Valley  
Centre for Public Safety and Criminal Justice Research <http://cjr.ufv.ca>  
A203-33844 King Road, Abbotsford, BC, V2S 7M8  
(604) 504-7441 x 4081  
*Learn more about our Master's of Criminal Justice program at <https://www.ufv.ca/programs/criminal-justice-master/>*

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**From:** Maureen Wideman  
**Sent:** July 15, 2019 10:34 AM  
**To:** Amanda McCormick; Sidrah Ahmad  
**Cc:** Co-op Education; Cherish Forster  
**Subject:** RE: Adding CRIM Diploma to the Co-Op

Hi Amanda,

There was a typo in the last note. Here is the revised version:

Please accept this e-mail as a letter of support for the addition of a co-op option to the Criminology Diploma program.

The Co-operative Education office has been in discussion with the College of Arts regarding the addition of a Co-operative Education option to the Criminology Diploma program. The Co-operative Education office supports this addition.

The addition of a co-op option may attract additional students into the program, build new and stronger relationships with our partners in industry, and add experiential value to our students. Both departments will work together to develop the resources to build a successful program.

Maureen Wideman, PhD  
Associate Vice President, Teaching and Learning  
University of the Fraser Valley  
[maureen.wideman@ufv.ca](mailto:maureen.wideman@ufv.ca)  
T-604-864-4627  
C-604-226-2506

---

**From:** Amanda McCormick  
**Sent:** July-15-19 10:30 AM  
**To:** Maureen Wideman; Sidrah Ahmad  
**Cc:** Co-op Education; Cherish Forster  
**Subject:** RE: Adding CRIM Diploma to the Co-Op

Thank you Maureen!  
Amanda

Amanda McCormick, PhD  
Director, School of Criminology and Criminal Justice  
Associate Professor, University of the Fraser Valley  
Centre for Public Safety and Criminal Justice Research <http://cjr.ufv.ca>  
A203-33844 King Road, Abbotsford, BC, V2S 7M8  
(604) 504-7441 x 4081  
*Learn more about our Master's of Criminal Justice program at <https://www.ufv.ca/programs/criminal-justice-master/>*

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**From:** Maureen Wideman  
**Sent:** July 15, 2019 9:36 AM  
**To:** Sidrah Ahmad  
**Cc:** Amanda McCormick; Co-op Education  
**Subject:** RE: Adding CRIM Diploma to the Co-Op

Hi Amanda,

Please accept this e-mail as a letter of support for the addition of a co-op option to the Criminology Diploma program.

The Co-operative Education office has been in discussion with the College of Arts regarding the addition of a Co-operative Education option to the BMA program. The Co-operative Education office supports this addition.

The addition of a co-op option may attract additional students into the program, build new and stronger relationships with our partners in industry, and add experiential value to our students. Both departments will work together to develop the resources to build a successful program.

Maureen Wideman, PhD  
Associate Vice President, Teaching and Learning  
University of the Fraser Valley  
[maureen.wideman@ufv.ca](mailto:maureen.wideman@ufv.ca)  
T-604-864-4627  
C-604-226-2506

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**From:** Sidrah Ahmad  
**Sent:** July-10-19 1:38 PM  
**To:** Maureen Wideman  
**Cc:** Amanda McCormick; Co-op Education  
**Subject:** FW: Adding CRIM Diploma to the Co-Op

Hi Maureen,

I hope you're doing well.



Amanda McCormick would like to include the Co-op option for the Criminology Diploma program. As you both are aware, this is a major calendar change that requires a letter/support email from our department. As was done recently (for a different program), could you please provide this to her.

Let me know if there is anything else I can do.

Sidrah

**Sidrah Ahmad MA**

Co-operative Education Coordinator  
Arts, Business and LIBIT programs

**Centre for Experiential and Career Education (CECE), S3123f**

University of the Fraser Valley (UFV)  
33844 King Road, Abbotsford BC V2S 7M8  
604.864.4634 (Abbotsford)  
[Sidrah.Ahmad@ufv.ca](mailto:Sidrah.Ahmad@ufv.ca)  
[www.ufv.ca/jobs](http://www.ufv.ca/jobs)

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**From:** Amanda McCormick  
**Sent:** July-10-19 1:01 PM  
**To:** Sidrah Ahmad <[Sidrah.Ahmad@ufv.ca](mailto:Sidrah.Ahmad@ufv.ca)>  
**Cc:** Cherish Forster <[Cherish.Forster@ufv.ca](mailto:Cherish.Forster@ufv.ca)>  
**Subject:** RE: Adding CRIM Diploma to the Co-Op

Thanks Sidrah!

We are making some changes to our calendar copy and wanted to include this change but yes we'll need that letter from you. We copied the language from our degree calendar copy so it reads as follows:

## Co-operative Education option

The Co-operative Education option provides students with the opportunity to acquire paid, career-related work experience in conjunction with their studies in the Bachelor of Arts (Criminal Justice) diploma program. See the [Co-operative Education](#) section for more details.

There are quite a few options for students with a Criminal Justice diploma, including the following (we list this on our calendar copy): police officers, correctional officers, immigration officers, customs inspectors, youth workers, administrative legal assistants, security guards, conservation officers, bylaw enforcement officers, community service order officers, or sheriff's officers.

Thanks!  
Amanda

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**From:** Sidrah Ahmad  
**Sent:** Wednesday, July 10, 2019 12:45 PM  
**To:** Amanda McCormick  
**Cc:** Cherish Forster  
**Subject:** RE: Adding CRIM Diploma to the Co-Op

Hi Amanda,

Thanks for your email and hope you're doing well.

There is a process for this and you will have to apply for a calendar change. In order to do that, our office will first provide a letter stating this change is supported. Before that however, perhaps we can have a conversation about employers who will hire students with a Criminal Justice Diploma – do you have any in mind at the moment? I just don't want to offer the option and then realize that it is difficult for these students to get the work.

Let me know if you'd like to talk further in person. I am away the rest of the week but could meet next week.

Thanks and talk to you soon,

Sidrah

**Sidrah Ahmad MA**

Co-operative Education Coordinator  
Arts, Business and LIBIT programs

**Centre for Experiential and Career Education (CECE), S3123f**

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[Sidrah.Ahmad@ufv.ca](mailto:Sidrah.Ahmad@ufv.ca)  
[www.ufv.ca/jobs](http://www.ufv.ca/jobs)

---

**From:** Amanda McCormick  
**Sent:** July-10-19 11:33 AM  
**To:** Sidrah Ahmad <[Sidrah.Ahmad@ufv.ca](mailto:Sidrah.Ahmad@ufv.ca)>  
**Cc:** Cherish Forster <[Cherish.Forster@ufv.ca](mailto:Cherish.Forster@ufv.ca)>  
**Subject:** Adding CRIM Diploma to the Co-Op

Hi Sidrah,

Our Criminal Justice degree is listed on the Co-Op Education Program in the calendar (<https://www.ufv.ca/calendar/current/General/COOP.htm>), but our diploma is not. Would we be able to please add the Criminal Justice Diploma to this list? What do you need from us in order to do this?

Thanks! Hope you're having a great summer,  
Amanda

Amanda McCormick, PhD  
Director, School of Criminology and Criminal Justice, [www.ufv.ca/criminology](http://www.ufv.ca/criminology)  
Associate Professor, University of the Fraser Valley  
Centre for Public Safety and Criminal Justice Research <http://cjr.ufv.ca/>  
604-557-4081

*We are now accepting applications for our Fall 2019 Master of Arts (Criminal Justice) cohort – find out more at <https://www.ufv.ca/programs/criminal-justice-master/>*

## Academic Calendar Fall 2019

### CRIMINOLOGY/CRIMINAL JUSTICE

[ufv.ca/criminology](http://ufv.ca/criminology)

## Criminal Justice diploma

A two-year, 61-credit program designed to prepare students for front-line/entry-level jobs in the criminal justice field. The program consists of a combination of theoretical and skill development courses, and will be of interest to people who wish to become (for example) police officers, correctional officers, immigration officers, customs inspectors, youth workers, administrative legal assistants~~immigration officers,~~ security guards, conservation officers, bylaw enforcement officers,~~customs inspectors,~~ community service order officers, ~~and/or~~ sheriff's officers.

## Entrance requirements

### All applicants must:

1. Be willing to undergo an initial security clearance check and further checks as may be required in individual courses. (Please do not submit until requested.)
2. Be willing to provide a statement from a physician as evidence of good health as may be required in individual courses. (Please do not submit until requested.)
3. Attend an orientation session during which criminal justice faculty and staff present an overview of the ~~options available and career opportunities in criminal justice~~program and the various career, research, and study opportunities available. Students will be contacted regarding the orientation process.

### Option 1: Secondary school (for students with secondary school graduation only)

1. B.C. secondary school graduation or equivalent.
2. Prerequisites for CMNS 125 or ENGL 105 and a minimum C+ average on two other Approved Grade 12 courses. Acceptance will be conditional upon proof of having met

these entrance requirements. Applicants are encouraged to submit proof as soon as it is available and prior to registering.

## Option 2: University entrance (for students who have attended some post-secondary school)

1. Prerequisites for [CMNS 125](#) or [ENGL 105](#). Applicants are encouraged to submit proof as soon as it is available and prior to registering.
2. Applicants must have completed, by the end of the Fall semester in the application period, a minimum of nine university-level credits with a cumulative GPA of 2.00 or higher.

Students who do not meet these requirements might consider [Qualifying Studies](#).

## Program duration

The Criminal Justice diploma ~~is two years in duration.~~[program can be completed in two years of full-time study, with students taking 10 courses per calendar year.](#)

The normal university year is from September through April, with 15–18 credits required in each of the Fall and Winter semesters. Students enrolled in field practicum in ~~any semester~~[either the Fall or Winter semester](#) (normally requiring two full days per week) would normally take nine credits in addition to the practicum. Occasionally, courses are challenged for credit, making it possible to complete the program more quickly. Mastery of course objectives must be demonstrated in order to successfully challenge a course; contact the School of Criminology and Criminal Justice for further information.

## Program outline

### Semester I

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| CRIM 100 | Introduction to Criminology | 3       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| CRIM 103 | Introduction to the Criminal Justice System | 3 |
| CRIM 129 | Academic and Professional Development       | 3 |
| CRIM 201 | Physical Fitness Training I                 | 2 |
| SOC 101  | Introductory Sociology                      | 3 |

## Semester II

| Course              | Title                                                            | Credits |
|---------------------|------------------------------------------------------------------|---------|
| CRIM 104            | Sociological Explanations of Criminal and Deviant Behaviour      | 3       |
| CRIM 105            | Psychological Explanations of Criminal and Deviant Behaviour     | 3       |
| CMNS 125            | Communicating Professionally to Academic and Workplace Audiences | 3       |
| or ENGL 105         | Academic Writing                                                 |         |
| PSYC 102            | Introduction to Psychology II (see Note)                         | 3       |
| <b>One of Plus:</b> | <u>Any 200-level CRIM elective</u>                               | 3       |
| <del>CRIM 210</del> | <del>Youth Crime and the Youth Justice System in Canada</del>    | -       |

|                     |                                                           |   |
|---------------------|-----------------------------------------------------------|---|
| <del>CRIM 211</del> | <del>Indigenous Peoples, Crime and Criminal Justice</del> | - |
| <del>CRIM 212</del> | <del>Women, Crime and Criminal Justice</del>              | - |
| <del>CRIM 213</del> | <del>Directed Studies</del>                               | - |
| <del>CRIM 214</del> | <del>Selected Topics in Crime and Criminal Justice</del>  | - |
| <del>CRIM 216</del> | <del>Psychopathy and the Criminal Justice System</del>    | - |
| <del>CRIM 240</del> | <del>Comparative Criminal Justice Systems</del>           | - |
| <del>CRIM 250</del> | <del>Customs and Immigration Law</del>                    | - |
| <del>CRIM 251</del> | <del>Law Enforcement in Canada</del>                      | - |
| <del>CRIM 252</del> | <del>Corrections in Canada</del>                          | - |

Note 1: Students who have successfully completed PSYC 101 prior to acceptance do not need to complete PSYC 102.

Note 2: Students cannot use CRIM 201, CRIM 202, or CRIM 203 as their 200-level CRIM elective.

### Semester III

| Course | Title | Credits |
|--------|-------|---------|
|--------|-------|---------|

|                       |                                                              |   |
|-----------------------|--------------------------------------------------------------|---|
| CRIM 135              | Introduction to Canadian Law and Legal Institutions          | 3 |
| CRIM 265              | Problem Management Skills for Criminal Justice Interventions | 3 |
| Plus:                 | Any 100-level or higher CRIM or non-CRIM course              | 3 |
| Plus:                 | Any 200-level or higher CRIM or non-CRIM course              | 3 |
| CMNS 251              | Professional Report Writing                                  | 3 |
| or ENGL 108 or higher | Any ENGL course numbered 108 or higher                       |   |

**Semester IV**

| <b>Course</b> | <b>Title</b>                    | <b>Credits</b> |
|---------------|---------------------------------|----------------|
| CRIM 202      | Physical Fitness Training II    | 2              |
| or CRIM 203   | Peace Officer Use of Force      |                |
| CRIM 220      | Research Methods in Criminology | 3              |
| CRIM 230      | Criminal Law                    | 3              |

|          |                                                                                                  |   |
|----------|--------------------------------------------------------------------------------------------------|---|
| CRIM 281 | Field Work Practicum (or two-course option; see Practicum regulations section below for details) | 6 |
| POSC 110 | Introduction to Canadian Politics                                                                | 3 |

Note 1: It is recommended that students planning on completing a Bachelor of Arts (Criminal Justice) degree complete the science requirement in the first two years of the program.

Note 2: Students should plan their lower-level electives to ensure they will have the necessary prerequisites for the required upper-level non-criminology electives if continuing onto the Bachelor of Arts (Criminal Justice) degree.

## Practicum regulations

Acceptance into the Criminal Justice diploma program does not guarantee practicum placement.

The prerequisites for placement in [CRIM 281](#) are:

- CGPA of at least 2.67;
- CRIM 100, 103, 104, 105, and 265;
- CRIM 129 with a grade of B- or better;
- CMNS 125, or ENGL 105 or higher;
- The ability to pass a criminal record check; and
- Departmental approval.

Students must complete 200 hours of practicum work in CRIM 281.

Criminal Justice diploma students who meet these requirements must complete CRIM 281 for the diploma. Students who do not meet the requirement for CRIM 281 must take two 200-level CRIM electives from the following list in place of CRIM 281.

### 200-level electives (select 2)



| Course          | Title                                             | Credits  |
|-----------------|---------------------------------------------------|----------|
| CRIM 210        | Youth Crime and Youth Justice System in Canada    | 3        |
| CRIM 211        | Indigenous Peoples, Crime, and Criminal Justice   | 3        |
| CRIM 212        | Women, Crime, and Criminal Justice                | 3        |
| <u>CRIM 215</u> | <u>Theory and Practice of Restorative Justice</u> | <u>3</u> |
| CRIM 240        | Comparative Criminal Justice Systems              | 3        |
| <u>CRIM 250</u> | <u>Customs and Immigration Law</u>                | <u>3</u> |
| CRIM 251        | Law Enforcement in Canada                         | 3        |
| CRIM 252        | Corrections in Canada                             | 3        |

The Career Development Coordinator will work collaboratively with each student to identify practicum sites that respond to individual learning interests and that provide criminal justice learning opportunities. Practicum placements are competitive and students should meet with the Career Development Coordinator early in the Winter semester to discuss options for Fall placement, and early in the Fall semester to discuss options for Winter placement.

Practicums are offered throughout the region of the Fraser Valley and Metro Vancouver, although other placement sites may be considered. Students are responsible for transportation to and from practicum sites. Students are also responsible for maintaining suitable personal appearance.

The Criminal Justice diploma program must approve any agency or institution that provides placements for student practicums, and reserves the right to change any placement assigned to a

student. Students have the right to be informed in writing of the reasons for any change in placement. While the program accepts the responsibility to provide a sufficient number of practicum opportunities to serve the needs of all registered students, a student may be required to withdraw from a practicum course if none of the available practicum agencies will accept that particular student.

### Co-operative Education option

The Co-operative Education option provides students with the opportunity to acquire paid, career-related work experience in conjunction with their studies in the Bachelor of Arts (Criminal Justice) diploma program. See the **Co-operative Education** section for more details.

### Study Abroad

Students can complete a semester of study abroad at an institution with a partnership agreement with UFV. Students interested in Study Abroad opportunities can visit UFV ~~Abroad~~International to review the list of countries, institutions, and programs with an exchange partnership with the School of Criminology and Criminal Justice. Students should speak with the Program Advisor prior to selecting their courses for completion abroad.

### BCIT Forensic Investigation transfer option

This option of the Criminal Justice diploma is designed primarily for students who wish to transfer directly into the third year of the Bachelor of Technology in Forensic Investigation at BCIT, following completion of their UFV diploma. Students taking this option must choose one of three paths (Economic Crime Studies, Forensic Science Studies, or Computer Crime Studies), each of which provides the prerequisites for a path of study at the upper level with the BCIT Bachelor of Technology in Forensic Investigation transfer option.

Students considering this option are reminded that they can also enter directly into the third year of the Bachelor Technology in Forensic Investigation with either an **Associate of Science** degree or **Computing Information Systems diploma** from UFV.

Students interested in this transfer option can obtain details from the department.

**Memo for Course Changes**

To: UEC

From: Anthony Stea, Biology Department Head

Date: January 2019

**Subject: Proposal for revision of BIO 497 Topical Biology Seminar**

1. Summary of changes (select all that apply):
  - ☐ Six-year review
  - ☐ Number and/or course code
  - ☐ Credits and/or total hours
  - ☐ Title
  - ☐ Calendar description
  - ☐ Prerequisites and/or co-requisites
  - ☐ Frequency of course offering
  - ☐ Learning outcomes
  - ☐ Delivery methods and/or texts and resource materials
  - ☐ PLAR options, grading system, and/or evaluation methods
  - ☒ Discontinuation of course
  - ☐ Other – Please specify:
2. Rationale for change: BIO 497 is no longer a biology honours requirement. It has been difficult to timetable this 1 credit course so that all upper level students who need to take it, can. Since this course is 1 credit it has been difficult to get volunteers to teach the course.
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): n/a
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? NO
5. Which program areas have been consulted about the change(s)? BIO Curriculum Committee
6. What consideration has been given to indigenizing the curriculum? n/a
7. If this course is not eligible for PLAR, explain why: n/a
8. If any of the following items on the official course outline have changed, explain how the change will affect the budget for your area or any other area: n/a
  - a. Credit value
  - b. Class size limit
  - c. Frequency of offering
  - d. Resources required (labs, equipment)
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? n/a
10. Estimate of the typical costs for this course, including textbooks and other materials: n/a