



## UNDERGRADUATE EDUCATION COMMITTEE (UEC) MEETING October 2, 2020 - 10:00 AM

### AGENDA

~~~~~

Page

#### 1. UEC BUSINESS

- 1.1. Election of UEC Chair for 2020/21

#### 2. APPROVAL OF THE AGENDA

- 2.1.

#### 3. APPROVAL OF UEC MINUTES

- 4 - 8 3.1. UEC draft minutes: April 24, 2020

#### 4. COURSE OUTLINES

- 9 - 27 4.1. **Communications**

New course: CMNS 126, Communication Visually in Organizations

Review with changes including prerequisites: CMNS 175

Review with changes: CMNS 180

Review with changes including title, prerequisites, and total hours: CMNS 301/JRNL 301

MOTION: To approve the CMNS course outlines as presented.

- 28 - 37 4.2. **Creative Arts**

Review with changes including prerequisites: THEA 306/MUSC 306

Review with changes including pre/corequisites: VA 404

MOTION: To approve the THEA 306/MUSC 306 course outline as presented.

MOTION: To approve the VA 404 course outline as presented.

- 38 - 44 4.3. **English for Academic Preparation**

New course: EAP 079, Integrated Academic Studies

New course: EAP 086, Academic Interactive Communications: University Bridge Level

Page

MOTION: To approve the new EAP 079 and 086 course outlines as presented.

45 -  
51

**4.4. Global Development Studies**

New course: GDS 299, Special Topics in Development Studies I

New course: GDS 399, Special Topics in Development Studies II

MOTION: To approve the new GDS 299 and 399 course outlines as presented.

52 -  
53

**4.5. Library and Information Technology**

Discontinuation: LIBT 161, 265

MOTION: To discontinue LIBT 161 and 265 as presented.

54 -  
62

**4.6. Mathematics and Statistics**

Changes including equivalent courses: STAT 104

Review with changes including equivalent courses: STAT 106

MOTION: To approve the STAT course outlines as presented.

63 -  
70

**4.7. Media Arts**

New course: MEDA 395, Special Topics in Media Arts

New course: MEDA 490, Directed Studies in Media Arts

MOTION: To approve the new MEDA 395 and 490 course outlines as presented.

71 -  
102

**4.8. Physics**

Review with changes: ENGR 113

Review with changes including prerequisites and pre/corequisites: PHYS 111

Review with changes including total hours: PHYS 221, 225

Review with changes including prerequisites and total hours: PHYS 382

Review with changes including total hours: PHYS 408

Review with changes including total hours and course number (formerly PHYS 383): PHYS 482

MOTION: To approved the ENGR and PHYS course outlines as presented.

**5. OTHER BUSINESS/DISCUSSION ITEMS**

103

**5.1. Quality Assurance Process Audit institution report draft review**

104 -  
107

**5.2. Membership on UEC Subcommittees**

- Admissions Subcommittee
- Transfer Credit Subcommittee
- Policy Subcommittee
- Screening Subcommittee

**5.3. APPC report**

Page

**5.4. Senate report**

**5.5. Committee goals for 2020/21**

**6. INFORMATION ITEMS**

- 6.1. Minor course changes** (outlines will be available at  
[www.ufv.ca/calendar/courseoutlines](http://www.ufv.ca/calendar/courseoutlines))  
MATH 092, 093  
PHYS 352

- 6.2. Program suspension**  
Suspension: Hospitality Event Planning certificate

**6.3. UEC Terms of Reference**

**6.4. UEC meeting dates for 2020/21**

**6.5. UEC membership for 2020/21**

**6.6. Other UEC documents and resources**

- [Program and Course Approval Procedures](#)
- [Guiding Principles for Quality Curriculum](#)
- [UEC Resources](#)
- [Procedures and Guidelines for Senate Standing Committees](#)

**7. ADJOURNMENT**

108 -  
109

110

111 -  
112



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

April 24, 2020  
10:00 AM - A225  
Abbotsford Campus

### **DRAFT MINUTES**

---

**PRESENT:** Adrianna Bakos, Courtney Boisvert, Sue Brigden, Vlad Dvoracek, Peter Geller, Claire Hay, Jonathan Hughes, Bobby Jaswal, Amber Johnston, David Johnston, Gilmour Jope, Bruce Kirkley, Rashad Mammadov, David McGuire, Elaine Newman, Samantha Pattridge, Shelley Stefan, Sven Van de Wetering, and Martin Warkentin  
**ABSENT:** Donna Alary, Shirley Hardman, Neeraj Kumar, Alisha Mutneja, Linda Pardy, Teresa Arroliga-Piper, and Kirsten Robertson  
**GUESTS:** Ian Affleck, Jill Bain, Anna Cook, Marlene Murray, Christine Slavik, Tony Stea, Melissa Walter, and Dawna Williams  
**RECORDER:** Amanda Grimson

#### **1. ONLINE MEETING PROTOCOL**

##### **1.1. Voting**

###### **MOTION:**

That UEC approve the following voting process for electronic meetings:

1. Call for all opposed to the motion.
2. Call for all abstentions to the motion.
3. Remaining UEC members are deemed to be voting in favour of the motion.

CARRIED

#### **2. APPROVAL OF THE AGENDA**

#### **3. APPROVAL OF UEC MINUTES**

##### **3.1. UEC draft minutes: February 28, 2020**

###### **MOTION:**

To approve the draft minutes as presented.

CARRIED

#### **4. COURSES AND PROGRAMS**

##### **4.1. Child, Youth, and Family Services: Course outlines**

Changes including total hours: CYC 310, 410

###### **MOTION:**

To approve the CYC course outlines as presented.

CARRIED

##### **4.2. Child, Youth, and Family Studies: Program changes**

Change to admission quotas: Bachelor of Arts (Child and Youth Care)

**MOTION:**

To recommend the changes to the Bachelor of Arts (Child and Youth Care) as presented, effective September 2020.

CARRIED

**4.3. Business: Program changes**

Changes to entrance and program requirements: Business minor

Change to program requirements: Marketing major

**MOTION:**

To recommend the changes to the Business minor as presented, effective September 2020.

CARRIED

**MOTION:**

To approve the changes to the Marketing major as presented, effective September 2020.

CARRIED

**4.4. Business: Course outlines**

Review with changes: BUS 433/ECON 433

**MOTION:**

To approve the BUS 433/ECON 433 course outline as presented.

CARRIED

**MOTION:**

To approve the changes to the Business minor as presented, effective September 2020.

**MOTION:**

To approve the changes to the Marketing major as presented, effective September 2020.

**4.5. Creative Arts: Program changes**

Change to entrance requirements: Bachelor of Fine Arts

Program changes: Visual Arts diploma

**MOTION:**

To recommend the changes to the Bachelor of Fine Arts, effective September 2020.

CARRIED

**MOTION:**

To approve the changes to the Visual Arts diploma as presented, effective September 2020.

CARRIED

**4.6. Creative Arts: Course outlines**

Review with changes including title and prerequisites: AH 200

Review with changes including prerequisites: AH 205 (formerly AH 205/VA 205), 270, 320

New course: AH 219

New course: AH 235

Review with changes including title: AH 250

Review with changes including title, prerequisites, and course number: AH 323 (formerly AH 314)

New course: AH 324

Review with changes including title and prerequisites: AH 340 (formerly AH 340/FD 340)

Discontinuation: AH 341/FD 341

Review with changes including pre/corequisites: VA 404

**MOTION:**

To approve the AH course outlines as amended:

- Wherever relevant the learning outcome "source and use images ethically" will be changed "source and contextualize images ethically", and will be added to any courses that do not already include this outcome.
- Wherever relevant, "supervised online activities" hours will be changed to either "lectures/seminars" or "tutorials/workshops".

CARRIED

**MOTION:**

To approve the VA 404 course outlines as presented, pending agreement between SOCA and UEC Screening regarding the addition of at least one more learning outcome.

CARRIED

**MOTION:**

To approve the new AH 219, 235, and 324 course outlines as presented.

CARRIED

**4.7. Health Sciences: Program changes**

Calendar updates: Bachelor of Science in Nursing

**MOTION:**

To approve the updates to the Bachelor of Science in Nursing as presented, effective September 2020.

CARRIED

**4.8. Science: Program changes**

Change to Physics declaration requirements: Bachelor of Science

**MOTION:**

To approve the changes to the Bachelor of Science declaration requirements as presented, effective September 2020.

CARRIED

**4.9. Biology: Course outlines**

Review with changes: BIO 111, 112, 201, 202, 210, 220

Changes including title: BIO 442

BIO 442 will be lettered, and students will be able to take multiple versions of the course for credit as long as the topic is different. A note will need to be added through the approval process to the Biology major, minor, and any other applicable programs if the department wishes to restrict the number of times that BIO 442 can be applied.

**MOTION:**

To approve the BIO course outlines as presented.  
CARRIED

**4.10. English: Course outlines**

Review with changes including title and change to special topics course: ENGL 170

Review with changes including title: ENGL 318, 319, 333, 370

Review with changes: ENGL 356

Changes including title: ENGL 373/JRNL 373

**MOTION:**

To approve the ENGL course outlines as presented.  
CARRIED

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

Change to equivalent courses: MATH 111, 123, 141

Review with changes including total hours: STAT 350

**MOTION:**

To approve the MATH 111, 123, and 141 course outlines as presented.  
CARRIED

**MOTION:**

To approve the STAT 350 course outline as presented.  
CARRIED

**4.12. Philosophy: Course outlines**

New course: PHIL ~~342~~ 309, Feminist Philosophy

**MOTION:**

To approve the new PHIL course outline as presented.  
CARRIED

**5. OTHER BUSINESS/DISCUSSION ITEMS****5.1. Policy Subcommittee report**

This item was postponed to a future meeting.

**5.2. Senate report****6. INFORMATION ITEMS****6.1. English Language Proficiency Requirements**

Addition to requirements: Duolingo

- 6.2. Minor course changes** (outlines will be available at [www.ufv.ca/calendar/courseoutlines](http://www.ufv.ca/calendar/courseoutlines))  
BUS 434/ECON 434  
EDUC 200  
VA 402

**7. ADJOURNMENT**



**Memo for New Course**

To: Linda Pardy, CACC Chair

From: Samantha Pattridge, CMNS Department Head

Date: March 12, 2020

**Subject:** Proposal for New Course CMNS-126 Visual Communication

**1. Rationale for new course:**

This course has been designed as part of an initiative of the Communications major and potential future offerings in Journalism. It is intended to be one of several new courses that will eventually help the department address the shift in the fields of professional communication and journalism towards visual content creation. It is designed as an introduction to the theory and practice of visual communication, especially as related to professional communication and journalism.

**2. How this new course fits into program(s):**

The development of this course is part of the program revision process. Visual communication from both theoretical and practical perspectives is one of the focus areas for the work-in-progress major in Communications and the existing minor. It will be a required 100-level foundational course for the proposed major and an option for the minor. Students from Visual Arts, Media Arts, Graphic Design, Integrated Studies would likely be interested in taking this as an introductory level skills course that complements graphic design, photography and film courses.

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

This course will help students learn about visual storytelling techniques using different visual formats and approaches. It will increase understanding of visual literacy through decoding visual content and applying principles of visual communication to their projects. The program learning outcomes of the proposed BA major in Communications include the following that are directly met by this course in visual communications:

- Demonstrate proficiency in creating professional communication materials that draw on a wide spectrum of media to achieve specific purposes and meet the needs of particular audiences.
- Employ industry-standard document design techniques to various workplace contexts.
- Apply rhetorical principles to the creation of oral, print, visual, and digital communication.
- ***Apply principles of visual communication to produce targeted visual content using a variety of technological tools.***
- Adapt and respond strategically to the rapidly changing and dynamic communication situations of industry, business and community sectors.

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

While this course does not apply to any other programs at the moment, we can see it being an appealing option for many programs as either an elective or required course. If other programs adopt the course as required, we have the capacity to reserve seats and increase the number of offerings yearly.

**5. Which program areas have been consulted about the course?**

There have been consultations with faculty from Visual Arts and Graphic Design.

**6. If a new discipline designation is required, explain why:**

N/A

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

Every effort will be made to choose course materials, design assignment topics, and offer models and examples that reflect global diversity, including first nations diversity. Students can choose the content of their assignments and will be encouraged to choose Indigenous topics for at least one assignment.

**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**

- No effect.

**b. Class size limit**

- No effect.

**c. Frequency of offering**

- No effect.

**d. Resources required (labs, equipment)**

- One-time equipment purchase expense is required. Please see attached Equipment Purchase List.

- Additional, annual equipment maintenance and administrative expenses may be required.
- Lab reservation is required for all class sessions.

**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:**

In addition to tuition, costs to students would be: a) textbooks – typically \$60.00-\$100.00; b) equipment maintenance/renewal fee – \$60.00.



ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> CMNS 126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                             |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Communicating Visually in Organizations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Short Title:</b><br>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Department (or program if no department):</b> Communications                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Introduces the fundamentals of visual communication including psychological and physiological image perception, psychology of color, and principles of effective composition applied to the context of organizational communication. Students will practice using these theoretical guidelines in hands-on projects involving photography, video, computer graphics, and interactive design.                                                                                                                                                                                                                                                                                    |           |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | None.                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> (Cannot be taken for additional credit.)<br>Former course code/number:<br>Cross-listed with:<br>Dual-listed with:<br>Equivalent course(s):<br>(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.)                                                                                                                                                                                                                                                                                                        |           | <b>Special Topics</b> (Double-click on boxes to select.)<br>This course is offered with different topics:<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, topic will be recorded when offered.)                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Independent Study</b><br>If offered as an Independent Study course, this course may be repeated for further credit: (If yes, topic will be recorded.)<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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes (If yes, fill in transfer credit form.) |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture/seminar hours</td> <td style="text-align: center;">15</td> </tr> <tr> <td>Tutorials/workshops</td> <td style="text-align: center;">15</td> </tr> <tr> <td>Supervised laboratory hours</td> <td style="text-align: center;">15</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>45</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                              | 15 | Tutorials/workshops | 15 | Supervised laboratory hours | 15 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15        |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15        |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15        |                                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| 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> 25<br><b>Expected Frequency of Course Offerings:</b><br>(Every semester, Fall only, annually, etc.)                                                                                                                                                                               |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Samantha Patridge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> April 2020                                                                                                                                                                                                                                                                                                   |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> May 19, 2020                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> May 19, 2020                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                              |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                            |    |                     |    |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

## Learning Outcomes

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

- Apply visual communication theories in the use and presentation of images and information.
- Create visual content aimed to achieve industry-standard efficiency and productivity.
- Use principles of ethical visual communication in a workplace.
- Demonstrate creative and independent thinking while analyzing and creating visual content.
- Evaluate their own work and the work of others in a professional communications context.
- Apply appropriate visual tools and technologies for professional communications.
- Present visual-verbal stories online using photographs, audio and video.
- Acquire knowledge, ideas and values related to the history, ethics, principles and power of visual communications.
- Articulate the value of studying and practicing visual communication in their careers and personal lives.

## 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
- Lab training sessions
- Group assignments
- In-class exercises
- Out-of-class assignments and projects
- Online assignments

**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. Barnes S.B.             | An Introduction to Visual Communication: From Cave Art to Second Life | <input checked="" type="checkbox"/> | Peter Lang Inc. | 2017 |
| 2.                         |                                                                       | <input type="checkbox"/>            |                 |      |
| 3.                         |                                                                       | <input type="checkbox"/>            |                 |      |

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

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |                      |      |
|----------------|-----|--------------|-----|-------------------|---|----------------------|------|
| Final exam:    | %   | Assignments: | 30% | Field experience: | % | Portfolio:           | %    |
| Midterm exam:  | %   | Project:     | 40% | Practicum:        | % | In-class activities: | 5%   |
| Quizzes/tests: | 15% | Lab work:    | 10% | Shop work:        | % | Total:               | 100% |

## Details (if necessary):

## Typical Course Content and Topics

- Week 1: Psychology of human vision. Understanding the visual elements. Orientation to DSLR cameras.
- Week 2: Sensation ≠ Perception. Principles of visual communication. Using camera controls to interpret visual messages.
- Week 3: Role of photographic images in professional communication. Capturing action. Digital editing in Photoshop.
- Week 4: Camera versus the eye. Avoiding common communication problems. Lighting in camera operations: Direction | Quality | Exposure.
- Week 5: Picture stories. Picture story elements. Three traditions of photographic storytelling.
- Week 6: Visual ethics. Avoiding stereotypes in visual communication messages. Writing story leads, headlines, captions. Image-text interaction.
- Week 7: Graphic design and professional communications. Typography. Working with text and images.
- Week 8: Appropriateness in design. Legibility and readability. Packaging.
- Week 9: Using grids in publication design. Four Big Ideas: ARCS. Creating and maintaining spreads.
- Week 10: Color theories. Informational and interactive graphics. The future of graphic design. Online publishing platforms.
- Week 11: Intro to video format in professional environment. Understanding the basic shots. Video composition. Orientation to DSLR video and tripod.
- Week 12: Additional shots and basic camera movements. Planning your video shoot. Sequences and montage. Orientation to non-linear editing.
- Week 13: Interview filming techniques. A roll and B roll. Storyboard. Creative editing techniques.
- Week 14: Sound design. Timing and pacing in video. Cinema and broadcast history and ethics. Future of Visual Communications.

**Memo for Course Changes**

To: CACC

From: Samantha Pattridge, Department Head, Communications

Date: Feb. 25, 2020

**Subject: Proposal for revision of CMNS 175: Writing for the Internet**

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:

*As part of the six-year course review the course learning outcomes have been modified to reflect the changes in the field of professional writing for online communication and social media platforms. Writing techniques addressing the expectations of audiences specific to different types of online platforms are reflected in the revised learning outcomes.*

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

*Changes to course learning outcomes and additional outcomes align with the following CMNS Minor Learning Outcomes:*

- *Demonstrate competency in creating professional messages across a wide spectrum of media that fulfill specific communication purposes and meet the needs of the audience.*
- *Apply rhetorical principles to the design and delivery of oral, print, and digital messages.*

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

*CMNS 175 is an option for several programs. These changes should not affect these programs except in a positive way, since we will start offering the course again.*

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

*Graphic Design*

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

*The course design will consider writing practices and assignments/project that will help student connect with the local indigenous communities and ways of knowing.*

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:  
\$100



**ORIGINAL COURSE IMPLEMENTATION DATE:** May 2007  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): January 2026  
**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> CMNS 175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                     |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Writing for the Internet<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Department (or program if no department):</b> CMNS                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br><p>An introduction to the theory and practice of writing professionally for the Internet. Students will study the particular challenges posed by digital communication and explore approaches and technologies that make possible effective communication to a networked audience.</p> <p>Note: Students will be required to participate in global social media environments.</p>                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | One of the following: C+ or better in English 12, CPT score of 48, or evidence of any test score or course grade listed under the Degree/diploma-level English language proficiency standards in the UFV academic calendar at <a href="http://www.ufv.ca/calendar/current/General/EnglishProficiency.htm">www.ufv.ca/calendar/current/General/EnglishProficiency.htm</a> . |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <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="http://bctransferguide.ca">bctransferguide.ca</a> .)<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" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture/seminar hours</td> <td style="text-align: center;">30</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td style="text-align: center;">15</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>45</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                      | 30 | Tutorials/workshops |  | Supervised laboratory hours | 15 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 30        |                                                                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 15        |                                                                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| 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> 25<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> Samantha Pattridge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> January 24, 2020                                                                                                                                                                                                                                                                                                                                     |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jaqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                    |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |



## Learning Outcomes:

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

- Explain the communication context and process, particularly as it pertains to electronic communication.
- Analyze the online audience with its distinct characteristics.
- Draft and revise an effective organizational story.
- Critique examples of digital communication formats, including text, motion, sound, non-linear and interactive media in short, medium and long formats.
- Apply the principles of text-audio/visuals interaction in copy writing.
- Apply Search Engine Optimization (SEO) for Internet writing.
- Discuss copyright and ethical issues relevant to digital communication.
- Demonstrate techniques of document design.
- Prepare presentations for the digital environment.

## 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
- Demonstrations
- Applied projects
- In-class exercises
- In-class discussion

**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. Fenton, N., & Lee, K. K. | <i>Nicely Said: Writing for the Web with Style and Purpose</i>                                                                    | <input type="checkbox"/> | New Riders. | 2014 |
| 2. McCulloch, G.            | <i>Because Internet: Understanding the New Rules of Language.</i>                                                                 | <input type="checkbox"/> | Penguin     | 2019 |
| 3. Veloso, M.               | <i>Web Copy That Sells: The Revolutionary Formula for Creating Killer Copy That Grabs Their Attention and Compels Them to Buy</i> | <input type="checkbox"/> | AMACOM      | 2013 |
| 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: | 65% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | %   | Project:     | 25% | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 10% | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

## Details (if necessary):

## Typical Course Content and Topics

1. Introduction to communications theory
2. How technology influences writing and publishing
3. Determining purpose and audience for digital communications
4. Evolving digital formats: short format (Twitter, Instagram, Pinterest, etc.), medium format (Facebook, LinkedIn, etc.) and long format (Blogpost, website, digital publication, periodicals)
5. Writing and revising material for electronic distribution
6. Layout and page design for electronic documents
7. Incorporating graphics and visual information
8. Ethics and communications technology: intellectual property and copyright
9. Research — and documenting research — in online environments
10. Using technology to supplement and enhance public presentations

**Memo for Course Changes**

To: Linda Pardy, CACC Chair

From: Samantha Pattridge, CMNS Department Head

Date: March 17, 2020

**Subject: Proposal for revision of CMNS 180**

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's outcomes needed to be updated to better reflect the course's content and focus.

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): The changes are not major, except that we have added wording about Indigenous theories and practices for intercultural communication. This course is a required course in our program and fits with the key outcome around intercultural communication: "Model effective and professional communication skills for interpersonal, team, organizational, and culturally diverse contexts."

4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? This course meets the BA intercultural engagement requirement, and the change will not affect the program.

5. Which program areas have been consulted about the change(s)? None

6. What consideration has been given to indigenizing the curriculum? The course naturally includes a substantial amount of discussion of Indigenous theories and practices, and we have made this focus more evident in the learning outcomes. We have also added *The elements of Indigenous style* as a textbook.

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: no change to any of these
  - 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: \$100 for textbook



**ORIGINAL COURSE IMPLEMENTATION DATE:** September 2007  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): October 2026  
**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> CMNS 180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Introduction to Intercultural Communication<br><b>Course Short Title:</b> Intro to Intercultural CMNS<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Department (or program if no department):</b> Communications                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Students explore theory and practice relating to cross-cultural knowledge, awareness, and understanding; investigate similarities and differences among their own and other worldviews and identities; practice verbal and non-verbal intercultural skills; and learn about the importance of self-reflexivity, flexibility, and mindfulness in their intercultural interactions.                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | None.                                                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <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" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture/seminar hours</td> <td style="text-align: center;">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 style="text-align: right;"><b>Total hours</b></td> <td style="text-align: center;"><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> |                                                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Maximum enrolment (for information only):</b> 25<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> Samantha Pattridge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> April 3, 2020                                                                                                                                                                                                                                                                                                             |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                         |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

CMNS 180

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:

- Identify intercultural communication theories and practices (including non-Eurocentric ones such as from Indigenous scholars), especially in relation to living, learning, and working in Stó:lō territory.
- Apply appropriate verbal and nonverbal skills in intercultural settings.
- Use intercultural collaboration skills.
- Discuss the intrinsic relations between definitions of culture and the communication process.
- Identify how context, history, family, media, and other institutions influence culture and communication.
- Discuss how demography and globalization shape cultural identity and intercultural relations.
- Discern how power, stereotypes, and prejudice are manifest in intercultural communication.
- Demonstrate self-reflectivity, flexibility, and mindfulness during intercultural interactions.

## 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, demonstrations, student presentations, group assignments, in-class discussion, in-class analysis of case studies, guest lectures.

**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. Liu, Si, Volcic, A. & Gallois, C. | Introducing Intercultural communication: Global cultures and contexts. | <input checked="" type="checkbox"/> | Sage            |      |
| 2. Younging, G.                      | The elements of Indigenous style                                       | <input type="checkbox"/>            | Brush Education | 2018 |
| 3.                                   |                                                                        | <input type="checkbox"/>            |                 |      |
| 4.                                   |                                                                        | <input type="checkbox"/>            |                 |      |
| 5.                                   |                                                                        | <input type="checkbox"/>            |                 |      |

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

n/a

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | %   | Assignments: | 70% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | %   | Project:     | 15% | Practicum:        | % | Other:     |      |
| Quizzes/tests: | 15% | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

## Details (if necessary):

- 20% Weekly concept journals
- 20% In-class assignments
- 30% Reflective essays
- 15% Project
- 15% Quizzes/tests

## Typical Course Content and Topics

- Communication fundamentals
- Intercultural communication forms and models
- Culture and perception: beliefs, values, and attitudes; Intercultural communication theories
- Cultural perspectives: Diverse worldview, family, religion, and history
- Verbal communication and culture
- Nonverbal communication and culture
- Intercultural issues: racism, prejudice, oppression, colonialization
- Truth and reconciliation
- Intercultural communication at work and in educational settings
- Dealing with conflict
- Intercultural travels

**Memo for Course Changes**

To: UEC

From: Samantha Pattridge

Date: May 11, 2020

**Subject: Proposal for revision of CMNS 301**

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:

In the process of a six-year revision, the faculty identified a series of necessary changes including course title, calendar description, learning outcomes and prerequisites. Such significant changes are dictated by the changes in the field of journalism practice triggered by the application of emerging information technologies in recent years. Proposed changes reflect a switch in focus in electronic media from primarily broadcasting to web-based multi-format journalism.

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

The course learning outcomes are designed to contribute to the Communication Department's program vision and strategy. Modified CLOs reflect the PLO's desire to provide students with the cutting edge, industry-standard practices of producing and distributing information through the modern journalistic channels of communication.

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 currently offered as an option in the Essentials of Journalism Associate Certificate. The changes to the course will not affect the program.

5. Which program areas have been consulted about the change(s)?  
No other program areas were consulted.
6. What consideration has been given to indigenizing the curriculum?  
Where possible the course content highlights the importance of Indigenous cultures and community engagement in class and in the experiential learning assignments.
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 No change
  - b. Class size limit The class size changed from 20 to 25 to reflect the change to multimedia formats which are more readily accessible than the previous technology used, which limited our class size to 20.
  - c. Frequency of offering No change
  - d. Resources required (labs, equipment) The course will require part of its time to be scheduled in a computer lab that contains the appropriate software.
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:  
\$100 for textbook plus possible \$60 technology fee to contribute to purchase and maintenance of camera equipment.



ORIGINAL COURSE IMPLEMENTATION DATE: September 2009  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> CMNS 301                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Multimedia Journalism<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Department (or program if no department):</b> Communications                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Students will apply foundational skills of researching, interviewing, and writing to the three most common digital reporting formats – photography, videography and sound. The course emphasizes adapting the tools and capabilities of digital technologies to produce examples of professionally crafted journalistic storytelling.<br><br>This course is offered as CMNS 301 and JRNL 301. Students may take only one of these for credit.                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | CMNS 300/JRNL 300 or 45 university-level credits including one of CMNS 125, CMNS 155, CMNS 175, or ENGL 105. Note: As of September 2021, prerequisites will change to the following: CMNS 300/JRNL 300 and one of CMNS 126, VA 119, VA 160, VA 180, FILM 260, or GD 281.<br>Note: Students who have taken MACS 235 or ENGL 215, or have experience in journalistic writing, can request instructor approval. |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number:<br>Cross-listed with: <b>JRNL 301</b><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><br><table border="1"> <tr> <td>Lecture/seminar hours</td> <td>25</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>20</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                                                                                                                                                                                                                                                                                                                                                                                        | 25 | Tutorials/workshops |  | Supervised laboratory hours | 20 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 25        |                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20        |                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| 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> 25<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> Samantha Pattridge                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> May 2020                                                                                                                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date approved:</b> June 2, 2020                                                                                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jaqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> June 2, 2020                                                                                                                                                                                                                                                                                                                                                                           |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |



## Learning Outcomes:

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

- Research, write and edit news reports and features in a digital environment.
- Demonstrate familiarity with relevant professional, ethical and legislative standards.
- Evaluate the quality of composition in regard to both photographic and video content.
- Address the issues related to producing news for digital platforms.
- Operate as an independent multi-format reporter.
- Collaborate as a member of a multi-format reporting team.
- Create photo, radio/audio and video news items.
- Demonstrate technical proficiency in at least one of the digital reporting formats.
- Practice the common approaches to digital data presentation.
- Align and coordinate multi-format content.
- Critically evaluate the potential of emerging communication technologies for journalistic purposes.

## 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, labs, workshops, exercises.

**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. Wenger, D.H.            | Advancing the story: Quality journalism in a digital world (4th ed.) | <input type="checkbox"/> | CQ Press       | 2019 |
| 2. Baldwin K.              | Multimedia Technologies: Designs, Tools and Applications             | <input type="checkbox"/> | Willford Press | 2019 |
| 3.                         |                                                                      | <input type="checkbox"/> |                |      |
| 4.                         |                                                                      | <input type="checkbox"/> |                |      |
| 5.                         |                                                                      | <input type="checkbox"/> |                |      |

## Required Additional Supplies and Materials *(Software, hardware, tools, specialized clothing, etc.)* Access to Adobe Creative Cloud

## Typical Evaluation Methods and Weighting

|                |   |              |     |                   |   |                 |      |
|----------------|---|--------------|-----|-------------------|---|-----------------|------|
| Final exam:    | % | Assignments: | 25% | Field experience: | % | Portfolio:      | 20%  |
| Midterm exam:  | % | Project:     | 45% | Practicum:        | % | Participation:: | 10%  |
| Quizzes/tests: | % | Lab work:    | %   | Shop work:        | % | Total:          | 100% |

## Details (if necessary):

|                              |     |
|------------------------------|-----|
| Using digital tools:         | 10% |
| Graphics/data visualization: | 15% |
| Photojournalism:             | 15% |
| Radio project:               | 15% |
| TV project:                  | 15% |
| Multimedia portfolio:        | 20% |
| Class participation          | 10% |

**Typical Course Content and Topics**

|            |                                                                                                                                                                                                                                                                                                            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Week 1     | <b>Introduction to the course</b><br>Reviewing journalism foundations (elements of a news story, newsgathering)<br>Using digital tools to serve quality journalism (including crowdsourcing and data mining)<br>What changes and what stays the same?: journalism in a multimedia environment              |
| Week 2     | <b>The multimedia mindset</b><br>The power of multimedia<br>Collecting information using multimedia tools<br>Using social media to tell news stories and effectively target audiences<br>Virtual reality as a journalist's tool<br>Critical analysis of selected examples from multimedia coverage         |
| Week 3-4   | <b>Graphics/Data visualization</b><br>Why use graphics?<br>Types of graphics<br>Simple is better<br>Data for graphics                                                                                                                                                                                      |
| Week 5-7   | <b>Photojournalism</b><br>Images as a crucial resource for journalists<br>DSLR cameras: strategies and strengths<br>Smartphone cameras: strategies and strengths<br>Using photographs to tell stories (combining images, building slideshows and adding text)<br>DSLR and smartphone photography exercises |
| Week 8-9   | <b>Audio: using sound to tell stories</b><br>Radio stories<br>Choosing sound<br>Writing to sound<br>Editing audio<br>Special story types: long-form audio and natural sound stories                                                                                                                        |
| Week 10-11 | <b>Video: mobilizing moving images as a journalist</b><br>TV stories<br>Choosing video<br>Writing to video: "show don't tell"<br>Editing video                                                                                                                                                             |
| Week 12-13 | <b>Freelancing as a multimedia journalist</b><br>Branding yourself<br>Job hunting<br>Networking<br>Building a multimedia portfolio                                                                                                                                                                         |



**ORIGINAL COURSE IMPLEMENTATION DATE:** September 2009  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): October 2026  
**Course outline form version:** 10/27/2017

## OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Course Code and Number:</b> JRNL 301                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                           |
| <b>Course Full Title:</b> Multimedia Journalism                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Course Short Title:</b><br>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Faculty:</b> Faculty of Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Department (or program if no department):</b> Communications                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Course Outline:</b><br>This is a cross-listed course. Please refer to <b>CMNS 301</b> for the official course outline.                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calendar Description:</b><br>Students will apply foundational skills of researching, interviewing, and writing to the three most common digital reporting formats – photography, videography and sound. The course emphasizes adapting the tools and capabilities of digital technologies to produce examples of professionally crafted journalistic storytelling.<br><br>This course is offered as CMNS 301 and JRNL 301. Students may take only one of these for credit. |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | CMNS 300/JRNL 300 or 45 university-level credits including one of CMNS 125, CMNS 155, CMNS 175, or ENGL 105. Note: As of September 2021, prerequisites will change to the following: CMNS 300/JRNL 300 and one of CMNS 126, VA 119, VA 160, VA 180, FILM 260, or GD 281.<br><br>Note: Students who have taken MACS 235 or ENGL 215, or have experience in journalistic writing, can request instructor approval. |
| <b>Corequisites (if applicable):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pre/corequisites (if applicable):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Antirequisite Courses</b> (Cannot be taken for additional credit.)<br>Former course code/number:<br>Cross-listed with: <b>CMNS 301</b><br>Dual-listed with:<br>Equivalent course(s):<br>(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.)                                                      | <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 (If yes, fill in transfer credit form.)                                                                               |
| <b>Department / Program Head or Director:</b> Samantha Pattridge                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Date approved:</b> May 2020                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Date approved:</b> June 2, 2020                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Dean/Associate VP:</b> Jaqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Date approved:</b> June 2, 2020                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                          |

**Memo for Course Changes**

To: CACC, UEC

From: Heather Davis-Fisch, Director SoCA

Date: January 6, 2019

**Subject: Proposal for revision of THEA 306/MUSC 306**

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: Updated to be consistent with other 300-level theatre/performance studies courses, in terms of instructional hours, learning outcomes, assignments.
3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s): Revised course learning outcomes are more strongly aligned with program learning outcomes and are consistent with outcomes in other 300-level courses. Outcomes include situating performances in historical context (course LOs: Evaluate musicals in terms of their ability to confirm and confront social norms and to represent gender, race, and class; Situate musicals in historical, theoretical, aesthetic, and cultural contexts; PLO: Critically analyze contemporary and historical performances, from a range of world cultures;) performance historiography (course LO: Describe the relationship between book, music, lyrics, and performance conventions in the contemporary musical; PLO: Explain how knowledge of performances of the past is preserved and transmitted historically); and research methods and communication of research findings (course LO's: Write a research paper, following a process that includes identifying a research question, locating and evaluating source material, and synthesizing multiple sources effectively; Apply research methods as relevant to musical theatre history (e.g. textual analysis, musical analysis, close reading, archival analysis); PLO: Develop methods for generating, investigating, and responding to performative research questions; Communicate effectively in written, verbal, and non-verbal languages in a variety of contexts and settings, using current technologies appropriately).

4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs? NA
5. Which program areas have been consulted about the change(s)? Music committee has been consulted.
6. What consideration has been given to indigenizing the curriculum? Indigenous content can easily be incorporated into this course, through the inclusion of examples of musicals by Indigenous authors and Indigenous authors' writing on musical theatre. For instance, the CTR included in sample reading list includes an article by Corey Payette describing the creative process involved in his work *Children of God*. Instructors can also include field trips to musicals by Indigenous authors; typically there are several choices in most fall-winter theatre seasons in Vancouver. The "typical" course content includes two examples of how Indigenous content can be included: by examining the Indigenous roots of Rogers and Hammerstein's musical *Oklahoma*, which was based on a stage play by Lynn Riggs (Cherokee); and in students reading the book for and attending a musical by an Indigenous author (*Les Filles du Roi*).
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? If fieldtrips are required, they will be announced in the timetable and will be funded by students.
10. Estimate of the typical costs for this course, including textbooks and other materials: \$150 for texts and any performance tickets.



**ORIGINAL COURSE IMPLEMENTATION DATE:** September 2011  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): October 2026  
**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> THEA 306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                        |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Course Full Title:</b> History of Musical Theatre<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Department (or program if no department):</b> Theatre                                                                                                                                                                                      |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Calendar Description:</b><br><p>Examines the development of musical theatre from the 18th century to the present. Content may include analyses of individual musicals that have transformed the genre, an exploration of the place of musical theatre in popular culture, and an overview of Canadian musical theatre.</p> <p>Note: Attendance at musical theatre performances may be required.</p> <p>Note: This course is offered as THEA 306 and MUSC 306. Students may take only one of these for credit.</p>                                                                                                                 |           |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | One of the following: THEA 203, THEA 204, THEA 205, THEA 206, or 45 university-level credits.                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <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: <b>MUSC 306</b><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" style="width: 100%; border-collapse: collapse;"> <tr><td>Lecture/seminar hours</td><td style="text-align: center;">35</td></tr> <tr><td>Tutorials/workshops</td><td style="text-align: center;">25</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 style="text-align: center;"><b>60</b></td></tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                         | 35 | Tutorials/workshops | 25 | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>60</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                                                                                                                                                                                                                         | 35 |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | Tutorials/workshops                                                                                                                                                                                                                           | 25 |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | Supervised laboratory hours                                                                                                                                                                                                                   |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>60</b> |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Transfer Credit</b><br>Transfer credit already exists: (See <a href="http://bctransferguide.ca">bctransferguide.ca</a> .)<br><input checked="" type="checkbox"/> No <input 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Department / Program Head or Director:</b> Heather Davis-Fisch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> April 2020                                                                                                                                                                                                              |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                          |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Dean/Associate VP:</b> Jaqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                          |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                       |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                          |  |

**Learning Outcomes:**

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

- Identify the major periods, authors, works, and composers in the development of musical theatre.
- Describe the relationship between book, music, lyrics, and performance conventions in the contemporary musical.
- Evaluate musicals in terms of their ability to confirm and confront social norms and to represent gender, race, and class.
- Demonstrate an understanding of critical approaches to analyzing a musical.
- Situate musicals in historical, theoretical, aesthetic, and cultural contexts.
- Demonstrate self-reflexivity and intellectual curiosity in relation to course material.
- Employ praxis-based methods to answer questions, solve problems, and explore the performance conventions of musical theatre.
- Write a research paper, following a process that includes identifying a research question, locating and evaluating source material, and synthesizing multiple sources effectively.
- Apply research methods as relevant to musical theatre history (e.g. textual analysis, musical analysis, close reading, archival analysis).
- Communicate arguments orally and in writing, demonstrating fluency with scholarly voice and conventions.

**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, seminars, videos, recordings, attending performances, guest lecturer.

**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. Everett, W. A.; Laird, P. | The Cambridge Companion to the Musical                  | <input type="checkbox"/> | Cambridge              | 2008 |
| 2. Atkey, M.                 | Broadway North: The Dream of a Canadian Musical Theatre | <input type="checkbox"/> | Natural Heritage Books | 2006 |
| 3. Renyk, G. (ed.)           | Canadian Theatre Review: The Musicals Issue (171)       | <input type="checkbox"/> | UTP                    | 2017 |
| 4. Payette C. and J McIsaac  | Les Filles du Roi                                       | <input type="checkbox"/> | Scirocco               | 2019 |
| 5.                           |                                                         | <input type="checkbox"/> |                        |      |

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

Tickets to no more than two professional productions

**Typical Evaluation Methods and Weighting**

|                |   |              |     |                   |   |                |      |
|----------------|---|--------------|-----|-------------------|---|----------------|------|
| Final exam:    | % | Assignments: | 55% | Field experience: | % | Portfolio:     | %    |
| Midterm exam:  | % | Project:     | 35% | Practicum:        | % | Participation: | 10%  |
| Quizzes/tests: | % | Lab work:    | %   | Shop work:        | % | Total:         | 100% |

**Details (if necessary):** Assignments may include: reading responses, performance analysis, presentations, scene projects. Project is a research project culminating in a research paper.

**Typical Course Content and Topics**

Week 1 Introduction to Musical Theatre, defining the genre, and the creation of a Broadway musical  
 Week 2 British Comic Opera – The Beggars Opera to The Mikado; methods for analyzing music and musical theatre  
 Week 3 The Evolving American Musical Theatre; how to generate research questions  
 Week 4 Images of African Americans, Showboat and Porgy and Bess  
 Week 5 The Great Depression, The Cradle Will Rock and the Screen Musical; developing a bibliography  
 Week 6 The Musical Play – Oklahoma, Lynn Riggs, and Rodgers and Hammerstein; representations of Indigeneity in Oklahoma and Green Grow the Lilacs  
 Week 7 The Golden Age from the 1940s to the 1960s; synthesizing sources  
 Week 8 Directors and Dance; outlining complex arguments  
 Week 9 Bernstein and Sondheim; communicating research to others  
 Week 10 The Rock Musical – Hair to Rent including Canadians on Broadway; editing and revising strategies  
 Week 11 The Canadian scene from Spring Thaw to the Drowsy Chaperone  
 Week 12 Lloyd Webber and the Megamusical  
 Week 13 Musical Theatre today, new voices, new directions. Indigenous and intercultural musicals in Canada. *Les Filles Du Roi* fieldtrip.



ORIGINAL COURSE IMPLEMENTATION DATE: September 2011  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 Course outline form version: 10/27/2017

## OFFICIAL UNDERGRADUATE CROSS-LISTED OUTLINE FORM

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Course Code and Number:</b> MUSC 306                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                               |  |
| <b>Course Full Title:</b> History of Musical Theatre<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | <b>Department (or program if no department):</b> Theatre                                                                                                                                                                                                                                                                                                             |  |
| <b>Official Course Outline:</b><br>This is a cross-listed course. Please refer to <b>THEA 306</b> for the official course outline.                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                      |  |
| <b>Calendar Description:</b><br>Examines the development of musical theatre from the 18th century to the present. Content may include analyses of individual musicals that have transformed the genre, an exploration of the place of musical theatre in popular culture, and an overview of Canadian musical theatre.<br><br>Note: Attendance at musical theatre performances may be required.<br>Note: This course is offered as THEA 306 and MUSC 306. Students may take only one of these for credit. |  |                                                                                                                                                                                                                                                                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | One of the following: THEA 203, THEA 204, THEA 205, THEA 206, or 45 university-level credits.                                                                                                                                                                                                                                                                        |  |
| <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: <b>THEA 306</b><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>Transfer Credit</b><br>Transfer credit already exists: (See <a href="http://bctransferguide.ca">bctransferguide.ca</a> )<br><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br><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>Department / Program Head or Director:</b> Heather Davis-Fisch                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Date approved:</b> April 2020                                                                                                                                                                                                                                                                                                                                     |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Dean/Associate VP:</b> Jaqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <b>Date approved:</b> April 28, 2020                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                              |  |



**From:** Heather DavisFisch

**Sent:** May-19-20 7:55 AM

**To:** Amanda Grimson <Amanda.Grimson@ufv.ca>; Linda Pardy <Linda.Pardy@ufv.ca>; Arts Committees <ArtsComAssist@ufv.ca>; Samantha Pattridge <Samantha.Pattridge@ufv.ca>

**Subject:** VA 404 course outline

Hi all,

SOCA's curriculum committee met yesterday and realized that the course outline that went forward at UEC was not the correct version. I can't seem to easily find the CACC agenda where it would have gone, but the version in the UEC package was not the right one. I have attached the version that SOCA intended to go forward. This version includes the outcome regarding oral presentation that addresses the concern Shelley raised at the meeting - Shelley has reviewed this and this meets her concerns.

Thanks,  
Heather

Heather Davis-Fisch  
Associate Professor, Theatre and English  
Director, School of Creative Arts  
University of the Fraser Valley

Views and Reviews editor, *Canadian Theatre Review*  
<http://www.playwrightscanada.com/index.php/canadian-performance-histories-and-historiographies.html>  
<http://www.playwrightscanada.com/index.php/past-lives-performing-canada-s-histories.html>

**Memo for Course Changes**

To: Samantha Pattridge, CACC

From: Heather Davis-Fisch – Director, SOCA

Date: May 31, 2019

**Subject: Proposal for revision of VA 404**

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 updated changes reflect a more accurate description of what the course content and goals are for students. VA 403 is being changed from a co-requisite to a pre- or co requisite, to allow students to either take 403 earlier or at the same time. This adds flexibility if students choose to take 403 before instead of at the same time.**
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)? VAPC
6. What consideration has been given to indigenizing the curriculum? **The VA department has several initiatives at work that aim to indigenize the academy, including the usage of indigenous content in its curricula and programs.**
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? If fieldtrips are required, students cover costs.
10. Estimate of the typical costs for this course, including textbooks and other materials: 100+

**CWC comment and response:**

- Learning outcome #6: are collaborative techniques and theories being taught and assessed in this course? If not, this should be revised to "Plan and execute an exhibition of final projects."

*We discussed this at SoCA curriculum committee - the point of the outcome is to learn collaboration skills in service of exhibition, not just to mount the exhibition. Collaborative techniques and best practices are taught in the course and students are coached in collaborative processes.*



**ORIGINAL COURSE IMPLEMENTATION DATE:** September 2006  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): October 2026  
**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> VA 404                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Course Full Title:</b> Senior Studio II<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Department (or program if no department):</b> Visual Arts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Calendar Description:</b><br>A continuation of the self-directed studio practice and research skills developed in VA 402. Students refine and expand the conceptual component and complete/realize their studio projects to present to Visual Arts faculty and guest critic. Students will also organize and prepare a graduating exhibition for the university and Fraser Valley community.                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | VA 402.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VA 403.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <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> 20<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;"> <tr> <td>Lecture/seminar hours</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td style="text-align: center;">40</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>60</b></td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lecture/seminar hours | 20 | Tutorials/workshops |  | Supervised laboratory hours | 40 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>60</b> |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Department / Program Head or Director:</b> Heather Davis-Fisch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Date approved:</b> September 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Date approved:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Date approved:</b> October 11, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |

VA 404

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:

- Work independently to develop advanced capstone projects from conception to completion.
- Conduct independent research to support creative practice.
- Prepare and develop artworks for graduating exhibition.
- Connect contemporary art practice and theory with individual projects.
- Receive, analyze, and integrate feedback from live critiques.
- Present and defend work in oral presentations to faculty and guest critic.
- Collaborate with peers to plan and execute an exhibition of final projects.

**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.*)

Guest lectures, presentations, field trips, studio projects, peer and faculty critiques.

**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:     | %   | Exhibition responsibilities: | 20% | Works in Progress:  | 20%  |
| Midterm exam:  | % | Studio Projects: | 50% | Practicum:                   | %   | Collaborative work: | 10%  |
| Quizzes/tests: | % | Lab work:        | %   | Shop work:                   | %   | Total:              | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

1. Introduction to course content and production of year-end graduating exhibition.
2. Grad proposal due. Individual consultations related to projects.
3. Work in progress #1. Discussion of exhibition spaces.
4. Exhibition update. Individual consultations.
5. Grad panel meeting.
6. Field trip.
7. Work in progress #2. Oral presentations.
8. First draft artist statement due. Work period and consultations related to statements.
9. Exhibition updates. Work period and individual consultations related to projects.
10. Work in progress #3.
11. Exhibition updates. Work period and individual consultations. Oral presentations.
12. Final artist statements. Exhibition updates. Work period. Oral presentations.
13. Work in progress #4. Oral presentations.

**Memo for New Course**

To: UEC

From: Gilmour Jope, English Language Studies Department Head

Date: June 3, 2020

**Subject: Proposal for new course EAP 079: Integrated Academic Studies**

1. Rationale for new course:

English for academic preparation (EAP) courses typically develop core language skills in the discrete areas of academic reading, writing, and interactive communications and at various proficiency levels in preparation for undergraduate-level study. This multi-skill course integrates multiple language skills at a specific proficiency level while developing academic skills and competencies needed for success in a Canadian university context.

2. How this new course fits into program:

Language skills in core courses at the Advanced II/University Foundation level of the ELS Certificate program (EAP 070 University Foundation Reading, EAP 074 University Foundation Writing, and 076 University Foundation Interactive Communications) are integrated with a focus on developing academic study skills, problem solving, critical thinking, presentation, and classroom interaction skills.

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

The outcomes of this course align very well with the outcomes of the ELS Certificate Program, which emphasize language development across skill areas and proficiency levels in preparation for undergraduate-level study.

4. Will this course be required by any program beyond the discipline? No

5. Which program areas have been consulted about the course? None

6. If a new discipline designation is required, explain why: N/A

7. What consideration has been given to indigenizing the curriculum: Appropriate indigenous texts and materials could be used to support the course learning outcomes.

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: No
- b. Class size limit: No
- c. Frequency of offering: No
- d. Resources required (labs, equipment): No

10. Are field trips required for this course? No

11. Estimate of the typical costs for this course, including textbooks and other materials: Estimated cost for a course pack and/or printing costs: \$20.00



ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> EAP 079                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Number of Credits:</b> 3                                                                                                                                                                                                                                                                                                                                             |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Integrated Academic Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Short Title:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty:</b> Faculty of Access and Continuing Education                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Department (or program if no department):</b> English Language Studies                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Integration of English language reading, writing, and oral/aural communication skills for problem solving, critical thinking, presentations, and classroom interaction typical in Canadian universities.                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | One of the following: EAP 064, IELTS Academic score of 5.5 or higher with a minimum band score of 5, or placement by ELS assessment.                                                                                                                                                                                                                                    |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <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>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>20</td> </tr> <tr> <td>Tutorials/workshops</td> <td>25</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                                                                                                                                                                                                                                                                                                                                                   | 20 | Tutorials/workshops | 25 | 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 type="checkbox"/> Letter Grades <input checked="" type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20        |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 25        |                                                                                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| 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> 20<br><b>Expected Frequency of Course Offerings:</b> 2 times a year                                                                                                                                                                                                                                                    |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Gilmour Jope                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                      |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                      |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Sue Brigden                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                      |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date of posting:</b> September 9, 2020                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

**EAP 079**

**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:

- Critically analyze readings typically used in a variety of first-year university courses.
- Communicate successfully in pairs and small groups to complete collaborative tasks that require active listening and negotiation of meaning.
- Work collaboratively to research, develop, and present academic presentations on topics typical of first-year university courses.
- Paraphrase academic articles.
- Summarize academic articles.
- Integrate secondary sources into short academic essays using appropriate organizational structure and formatting conventions.
- Use advanced grammar and syntax structures and a range of vocabulary, word forms, and phrases with accuracy and appropriate academic register in written communication.
- Use advanced grammar and syntax structures and a range of vocabulary, word forms, and phrases with accuracy and appropriate academic register in oral communication.

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

☒ Yes      ☐ No

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

Lectures, presentations by both the instructor and the students, and some online instruction.

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

**Typical Text(s) and Resource Materials:**

Course pack and online resources will be used. Course pack may include selected resources from the following list.

| Author (surname, initials)            | Title (article, book, journal, etc.)          | Current ed.                         | Publisher                          | Year |
|---------------------------------------|-----------------------------------------------|-------------------------------------|------------------------------------|------|
| 1. Beglar, D. & Murray, N.            | Contemporary Topics 3                         | <input checked="" type="checkbox"/> | Pearson                            |      |
| 2. Langan, J.                         | Ten Steps to Improving College Reading Skills | <input checked="" type="checkbox"/> | Townsend                           |      |
| 3. Langan, J.                         | Clear Thinking and Writing                    | <input checked="" type="checkbox"/> | Townsend                           |      |
| 4. American Psychological Association | Official APA Style Guide                      | <input checked="" type="checkbox"/> | American Psychological Association |      |

**Required Additional Supplies and Materials:**

**Typical Evaluation Methods and Weighting**

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

**Details (if necessary):**

**Typical Course Content and Topics**

- Module 1: Academic expectations at Canadian universities
- Module 2: Academic integrity
- Module 3: Effective participation in small group discussions
- Module 4: Academic presentations
- Module 5: Summarizing and responding to a reading
- Module 6: Paraphrasing academic articles
- Module 7: Writing a well-organized essay
- Module 8: Incorporating secondary sources into writing
- Module 9: Citation practices for writing and presentations
- Module 10: Proofreading and editing



**Memo for New Course**

To: UEC

From: Gilmour Jope, Department Head, ELS Department

Date: June 3, 2020

**Subject: Proposal for new course EAP 086: Academic Interactive Communications**

**1. Rationale for new course:**

Speakers of English as an additional language need advanced-level speaking skills to participate successfully in academic and professional group work and teamwork projects. This course develops skills and strategies for group work and team projects through participation in collaborative learning activities and an introduction to cross-cultural communication, negotiation, and conflict resolution.

**2. How this new course fits into program(s):**

This course adds to the current writing course (EAP 084) and reading course (EAP 080) at the bridge level of the study in the ELS Program at UFV and builds on related speaking skills in EAP 056, EAP 066, and EAP 076.

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

The outcomes of this course align very well with the outcomes of the ELS Certificate Program, which emphasize language development across skill areas and proficiency levels in preparation for undergraduate-level study.

**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?**

An ELS department member has consulted with faculty in various areas at UFV with high numbers of new international students with English as an additional language (e.g. Business, CIS, Mathematics, UUP, English, and Communications). Faculty in these areas have expressed concerns about their students' difficulties in participating in group work, team projects, and collaborative learning activities.

**6. If a new discipline designation is required, explain why:**

N/A

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

Appropriate indigenous texts and materials could be used to support the course learning outcomes.

**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:**

**Credit value** N/A

**Class size limit** N/A

**Frequency of offering** N/A

**Resources required** (labs, equipment) N/A

**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:**

Estimated cost for a course pack \$20.



ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> EAP 086                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Number of Credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                  |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Academic Interactive Communications: University Bridge Level<br><b>Course Short Title:</b> Uni Bridge Interactive Comm<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 Access and Continuing Education                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Department (or program if no department):</b> English Language Studies                                                                                                                                                                                                                                                                                                                    |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Focus on language and communication skills required for effective collaboration and participation in group work and team projects required for academic and professional success. Introduces negotiation and conflict resolution skills, as well as intercultural verbal and non-verbal communication skills, personal identity, culture disorientation, cross-cultural adjustment, and effective cross-cultural collaboration in group projects and teamwork.                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | One of the following: EAP 076 (formerly ESL S76), placement by ELS assessment, or evidence of any test score or course grade listed under the Entry-level post-secondary English language proficiency standards in the UFV academic calendar at <a href="http://www.ufv.ca/calendar/current/General/EnglishProficiency.htm">www.ufv.ca/calendar/current/General/EnglishProficiency.htm</a> . |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <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>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" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture/seminar hours</td><td style="text-align: center;">15</td></tr> <tr><td>Tutorials/workshops</td><td style="text-align: center;">25</td></tr> <tr><td>Supervised laboratory hours</td><td style="text-align: center;">5</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>45</b></td></tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                        | 15 | Tutorials/workshops | 25 | Supervised laboratory hours | 5 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 15        |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25        |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5         |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Maximum enrolment (for information only):</b> 20<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> Gilmour Jope                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date approved:</b> May 13, 2020                                                                                                                                                                                                                                                                                                                                                           |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                                           |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Sue Brigden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                                           |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date of posting:</b>                                                                                                                                                                                                                                                                                                                                                                      |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date of meeting:</b>                                                                                                                                                                                                                                                                                                                                                                      |    |                     |    |                             |   |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

## Learning Outcomes:

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

- Explain characteristics of different communication styles and related strategies to communicate effectively.
- Demonstrate effective communication strategies when working in group and team projects.
- Use pragmatic language functions required for networking, interactive collaboration, negotiation, and dealing with communication breakdown appropriately and accurately in academic and professional contexts.
- Demonstrate conflict resolution skills requiring active listening and negotiation of meaning when working in group and team projects.
- Identify cultural differences that may impede cross-cultural communication in academic and professional contexts.
- Apply cross-cultural communication skills with culturally diverse peers in teamwork and group projects.
- Analyze scenarios involving cross-cultural miscommunication in academic and professional contexts and identify causes of miscommunication.
- Devise problem-solving strategies to address issues identified in scenarios involving cross-cultural miscommunication in academic and professional contexts.

## 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.)*

Pair work, small group projects and group discussion, team presentations and demonstrations, experiential role plays and simulations, experiential guided discovery activities, case study analysis

**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.)*

Course pack and online resources will be used. Course pack may include selected resources from the following list.

|    | Author (surname, initials)                                                | Title (article, book, journal, etc.)                                 | Current ed.                         | Publisher   | Year |
|----|---------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|-------------|------|
| 1. | Shyung Liu, Zala Volcic, Cindy Gallois                                    | Introducing Intercultural Communication Global Cultures and Contexts | <input checked="" type="checkbox"/> | Sage        |      |
| 2. | Ann Wintergrest and Joe McVeigh                                           | Practical Approaches to Intercultural Communication                  | <input checked="" type="checkbox"/> | Pearson     |      |
| 3. | Andrea DeCapua and Ann C. Wintergerst                                     | Crossing Cultures in the Language Classroom                          | <input checked="" type="checkbox"/> | McGraw Hill |      |
| 4. | Donna Stringer and Patricia Cassidy                                       | 52 Activities for Improving Cross Cultural Communication             | <input checked="" type="checkbox"/> | Stringer    |      |
| 5. | David Falvey, Simon Kent, David Cotton, Iwonna Dubicka, Margaret O'Keeffe | Market Leader Upper Intermediate Level                               | <input checked="" type="checkbox"/> | Pearson     |      |

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

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 20% | Assignments: | 40% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | %   | Project:     | 25% | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 15% | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

## Details (if necessary):

## Typical Course Content and Topics

Module 1: Communication skills for effective teamwork

Module 2: Negotiation, collaboration, and dealing with conflict

Module 3: Communication across cultures: The cultural onion, unconscious bias, cross-cultural communication differences

Module 4: Communication across cultures: Understanding cultural differences and intercultural communication skills

**Memo for New Course**

To: College of Arts Curriculum Committee (CACC); Undergraduate Education Committee (UEC)

From: Stephen Piper, GDS Program Chair

Date: 23 March 2020

**Subject: Proposal for new courses (GDS 299 & 399 Special Topics in Development Studies I & II)**

1. Rationale for new course:

*These selected topics courses will permit GDS to offer “occasional” or one-off courses that respond to topical concerns and student demand. In our recent program review, students expressed a desire for courses on a wide range of courses that we are currently unable to offer. GDS 299 and 399 will allow us to satisfy this demand either with current faculty or by bringing in sessional instructors. They will also facilitate the introduction of new faculty into the program.*

2. How this new course fits into program(s):

*These are not required courses. They may be used as electives.*

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

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

- *demonstrate a breadth of knowledge about local and/or international development from a variety of disciplinary perspectives;*
- *apply disciplinary knowledge in the explanation of particular development problems and global processes;*
- *Identify and explain multiple perspectives and lenses by which to examine key local, national and global issues, and work towards nuanced understandings of these issues;*
- *as well as other program outcomes dependent on the topic of focus in the course.*

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

*These courses will not be required by any other program.*

5. Which program areas have been consulted about the course?

*These courses were approved at a meeting of the GDS Program Committee involving representatives from six different disciplines. The Chair of SCMS has been consulted.*

6. If a new discipline designation is required, explain why:

*No new discipline designation is required.*

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

*Virtually every GDS course offering includes some study of Indigenous issues and perspectives from around the world. Most instances of GDS 299 and 399 will continue this commitment. We hope that*

*these courses will facilitate our (and students') desire to offer new courses with a principal focus on Indigenous development.*

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

*These courses will be eligible for PLAR.*

9. Explain how each of the following will affect the budget for your area or any other area:

- a. Credit value

*No anticipated budgetary impact.*

- b. Class size limit

*No anticipated budgetary impact.*

- c. Frequency of offering

*These courses will be offered as resources permit (budget, faculty interest), in response to demand (student requests, issues of great topical importance and interest), and in consequence of serendipity (e.g. the availability of a great instructor).*

- d. Resources required (labs, equipment)

*None anticipated.*

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

*Generally, no. If a particular instance of the courses does require field trips, these will be announced in the timetable. Any field trips will be self-funded by students.*

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

*Typical costs for these courses will be tuition plus books. When possible the courses will draw readings from sources available through the UFV library or online at no cost. When this is not possible, we will endeavor to keep book costs below \$150.00.*

**CWC comments and responses:**

- **GDS 299:** Suggest changing prerequisites from "15 university-level credits" to "GDS 100".

*We will agree to this if it is the only way the course will be approved by UEC. However, we would prefer something less specific than "GDS 100". Currently we have about 45-50 students in the BA-GDS, even though we are reaching enrollments of over 100 students in GDS 100 each year. Unfortunately, most of these students take GDS 100 as a one-time elective with no intention of taking any more GDS courses. Consequently, the proposed prerequisite would likely limit enrollments in GDS 299 to about 10 students per year. Further, the range of topics that could be taught in this course (Environment and Development; Humanitarian Aid; Refugees, Displacement, and Development; Development in Sub-Saharan Africa; etc.) are likely to be of*

*interest to students in a wide range of programs who are not likely to have taken GDS 100, but who will have equally helpful prior study. It might be argued that students can always request instructor permission. However, in reality, very few students know about this option and simply avoid courses for which they do not have the prerequisites. Other special topics courses at the 200- and 300-level in a variety of Arts disciplines (ANTH, CRIM, GEOG, HIST, MACS) have similarly permissive prerequisite lists. We ask to be allowed to follow this model.*

*Our request: "GDS 100 or 15 university-level credits."*

- **GDS 399:** Suggest changing prerequisites from "15 university-level credits" to "GDS 100".

*We will agree to this if it is the only way the course will be approved by UEC. However, we would prefer something less specific than "GDS 100". Currently we have about 45-50 students in the BA-GDS, even though we are reaching enrollments of over 100 students in GDS 100 each year. Unfortunately, most of these students take GDS 100 as a one-time elective with no intention of taking any more GDS courses. Consequently, the proposed prerequisite would likely limit enrollments in GDS 299 to about 10 students per year. Further, the range of topics that could be taught in this course (Environment and Development; Humanitarian Aid; Refugees, Displacement, and Development; Development in Sub-Saharan Africa; etc.) are likely to be of interest to students in a wide range of programs who are not likely to have taken GDS 100, but who will have equally helpful prior study. It might be argued that students can always request instructor permission. However, in reality, very few students know about this option and simply avoid courses for which they do not have the prerequisites. Other special topics courses at the 200- and 300-level in a variety of Arts disciplines (ANTH, CRIM, GEOG, HIST, MACS) have similarly permissive prerequisite lists. We ask to be allowed to follow this model.*

*Our request: "GDS 100 or 15 university-level credits."*



ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> GDS 299                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Course Full Title:</b> Special Topics in Development Studies I<br><b>Course Short Title:</b> Spec Topics in Dev Studies I<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> GDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Calendar Description:</b><br>An examination of a selected topic within development studies that is not addressed in current course offerings. Topics may include, but are not limited to, crisis and disaster relief, gender and development, and sustainable development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GDS 100 or 15 university-level credits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <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 type="checkbox"/> No <input checked="" 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 type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input checked="" 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 type="checkbox"/> No <input checked="" 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> 36<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;"> <tr> <td>Lecture/seminar hours</td> <td style="text-align: center;">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 style="text-align: right;"><b>Total hours</b></td> <td style="text-align: center;"><b>45</b></td> </tr> </table> Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 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> |
| 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>Department / Program Head or Director:</b> Stephen Piper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Date approved:</b> March 3, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Date approved:</b> May 5, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Date approved:</b> May 5, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |



GDS 299

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:

- Define and discuss a specific topic in development studies.
- Identify and describe themes and debates deemed essential to an understanding of the topic.
- Explain the relationship between this topic and the broader field of development studies and practice.
- Explain regional, historical and ideological variations in approaches to the topic.
- Communicate a strong argument related to the topic.

## 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, seminar, classroom discussion. Lectures may include films and guest speakers. Field trips may be required.

**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. Visvanathan, Nalini, Lynn Duggan, Nan Wiegersma and Laurie Nisonoff | The Women, Gender & Development Reader | <input checked="" type="checkbox"/> | Zed       | 2011 |
| 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.*)

Additional readings posted on BlackBoard.

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |                |      |
|----------------|-----|--------------|-----|-------------------|---|----------------|------|
| Final exam:    | 20% | Assignments: | 35% | Field experience: | % | Presentations: | 15%  |
| Midterm exam:  | 20% | Project:     | %   | Practicum:        | % | Participation: | 10%  |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:         | 100% |

## Details (if necessary):

## Typical Course Content and Topics

(*If taught as Gender and Development*)

- Women in Development (WID)
- Women and Development (WAD)
- Gender and Development (GAD)
- Mainstreaming Gender (MG)
- Neoliberalism and Gender
- The Feminization of Labour
- Global Restructuring and Survival Strategies
- Women and Microcredit
- Gender, Nature and Ecofeminism
- Women and Reproductive Rights
- Gender-based Violence, Femicide, FGM
- Women in Politics
- Moving Forward: New Social Movements, Community Kitchens, and Feminist NGOs.



ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> GDS 399                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Course Full Title:</b> Special Topics in Development Studies II<br><b>Course Short Title:</b> Spec Topics in Dev Studies II<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> GDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Calendar Description:</b><br>An examination of a selected topic within development studies that is not addressed in current course offerings. Topics may include, but are not limited to, education and development, health and development, migration and refugees, Indigenous peoples' development, and development project planning and management.                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 45 university-level credits. Prior studies in GDS recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <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 type="checkbox"/> No <input checked="" 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 type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input checked="" 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 type="checkbox"/> No <input checked="" 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> 26<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"> <tr> <td>Lecture/seminar hours</td> <td>60</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>60</b></td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Lecture/seminar hours | 60 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>60</b> |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>60</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Department / Program Head or Director:</b> Stephen Piper                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Date approved:</b> March 3, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Date approved:</b> May 5, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Date approved:</b> May 5, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |    |                     |  |                             |  |                                                              |  |                              |  |                      |  |                    |           |

GDS 399

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 in detail the importance and implications of the topic for development theory and practice.
- Apply theoretical perspectives and substantive knowledge related to the topic in analyses of specific instances.
- Debate opposing perspectives and strategies related to the topic, including differences between regions, points in time and political orientations.
- Plan and execute research specific to the topic.
- Communicate in oral and written form a strong argument related to the topic and its practical applications.

## 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, seminar, classroom discussion. Lectures may include films and guest speakers. Field trips may be required.

**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 |
|------------------------------------------------------------------|---------------------------------------------|-------------------------------------|--------------------------------|------|
| Farmer, Paul, Jim Yong Kim, Arthur Kleinman, and Matthew Basilio | Reimagining Global Health: An Introduction. | <input checked="" type="checkbox"/> | University of California Press | 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.)*

Additional readings posted on BlackBoard.

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |                |      |
|----------------|-----|--------------|-----|-------------------|---|----------------|------|
| Final exam:    | 20% | Assignments: | 40% | Field experience: | % | Presentations: | 15%  |
| Midterm exam:  | 15% | Project:     | %   | Practicum:        | % | Participation: | 10%  |
| Quizzes/tests: | %   | Lab work:    | %   | Shop work:        | % | Total:         | 100% |

## Details (if necessary):

## Typical Course Content and Topics

*(If taught as Health and Development)*

- What is Global Health?
- Foundations in Global Health: Theory and Critique
- Colonial Hygiene Movements
- The Global Health System
- Global Health and Development Policies
- Medicine, Epidemiology, and Population Health
- International Development, International Relations, and Global Health Diplomacy
- Business, Technology, and Innovation
- Humanitarian Disasters
- Global Health Metrics
- Methods and Global Health
- Successes and Failures in Global Health Management

**Memo for Course Changes**

To:

From: Christina Neigel, Department Head, Department of Information Studies

Date: August 19, 2020

**Subject: Proposal for discontinuation of LIBT 161: Work Place Site Visits**

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:

In 201509, changes to the Library & Information Technology program introduced the LIBT 162: Work Place Site Visits (3-credit course). All new LIBIT students were required to take LIBT 162. The previous course LIBT 161: Work Place Site Visits (1.5 credit) was gradually phased out as current students completed it. The last student to require the LIBT 161 course has completed it and we are now asking that the course be discontinued as it has been fully replaced by LIBT 162.

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)? *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: *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*

**Memo for Course Changes**

To:

From: Christina Neigel, Department Head, Department of Information Studies

Date: August 19, 2020

**Subject: Proposal for discontinuation of LIBT 265: Practicum/Capstone Project**

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:

In 201509, changes to the Library & Information Technology program introduced the LIBT 266: Practicum/Capstone Project (3-credit course). All new LIBIT students were required to take LIBT 266. The previous course LIBT 265: Practicum/Capstone Project (1.5 credit) was gradually phased out as current students completed it. The last student to require the LIBT 265 course has completed it and we are now asking that the course be discontinued as it has been fully replaced by LIBT 266.

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)? *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: *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*

**Memo for Course Changes**

To: FSCC, SFC, and UEC

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

Date: May 5, 2020

**Subject: Proposal for revision of STAT 104**

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: Equivalent courses

2. Rationale for change:

Currently students may not receive credit for STAT 104 if they have previously received credit for STAT 106 or STAT 270, although they may receive credit for STAT 106 or STAT 270 after receiving credit for STAT 104. This “one-directional equivalence” of the courses is awkward for some students, and we propose that it be removed.

As an example of the difficulties that have arisen for students, if a student earns a poor grade in STAT 106, then wishes to take STAT 104 instead to meet the requirements of their program, they can’t do so. Meanwhile, a student who *fails* STAT 106 is subsequently able to take STAT 104 for credit.

While there is some overlap in the content covered in the three courses, the approach taken in each to provide an appreciation and understanding of statistics is quite different. A student with no math background (but with 45 or more university credits) can take STAT 104 to gain an appreciation of how statistical knowledge allows the interpretation of real-world meaning from data with very minimal mathematical computations. STAT 106 imparts this appreciation in a much more mathematical way, ideal for programmers, experimental scientists and economists, while STAT 270 demonstrates the mathematics *behind* the statistical theory using Calculus.

An example of a student who could greatly benefit by taking STAT 104 after STAT 106 or STAT 270 is one who is planning to enter Secondary TEP with Math as a teachable subject. The manner in which statistics is presented in STAT 104 will be very close to the manner in which it will be presented by this student when they teach Statistics 12 in high school.

Some Faculties may feel that the overlap in content between STAT 104 and STAT 106 is great enough that they prefer that only one of these courses should be allowed to count for credit towards one or more of their programs. For this reason, we propose including the following note below the calendar description:

*"Some degree and diploma credentials may allow only one of STAT 104 and STAT 106 to count as credit towards meeting program requirements."*

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):  
There are no proposed changes to the Learning Outcomes.
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?  
As mentioned above in (2), the proposed change will give greater flexibility to students in how they meet program requirements involving a statistics course.
5. Which program areas have been consulted about the change(s)? None.
6. What consideration has been given to indigenizing the curriculum?  
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: This course is eligible for PLAR.
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)None of the above items are changing on the course outline.
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? No field trips are required.
10. Estimate of the typical costs for this course, including textbooks and other materials:  
Typical costs for the course are roughly \$xxx, the cost of a textbook and online homework system package.



ORIGINAL COURSE IMPLEMENTATION DATE: September 1993  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED: (six years after UEC approval) September 2023  
 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> STAT 104                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Introductory Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title (if title exceeds 30 characters):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Department (or program if no department):</b> Mathematics & Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br><p>A basic introduction to descriptive statistics, probability, sampling, estimation, hypothesis testing, correlation, and regression. Recommended for anyone who wishes to evaluate research involving statistical analysis, especially students in humanities and social science. Using statistical computer software is essential to this course.</p> <p>Note: As a general rule, students with Mathematics 11 are prepared to take STAT 104, those with Mathematics 12 are prepared to take STAT 106, and those with a full year of calculus are prepared to take STAT 270/MATH 270. Before registering, students should check the requirements of their program. The UFV Mathematics major program requires STAT 270, while the Mathematics minor program requires STAT 106 or STAT/MATH 270.</p> <p>Note: Some degree and diploma credentials may allow only one of STAT 104 and STAT 106 to count as credit towards meeting program requirements.</p> |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | One of the following: (C or better in one of Principles of Mathematics 11, Applications of Mathematics 11, MATH 085, Foundations of Mathematics 11, or Pre-calculus 11) or (B or better in Apprenticeship and Workplace Mathematics 12) or (one of Foundations of Mathematics 12, Pre-calculus 12, Principles of Mathematics 12, or Applications of Mathematics 12) or (any UFV MATH course numbered 092 or higher) or (a score of 17/25 or better on Part A of the MSAT) or (45 university-level credits with department permission). |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>MATH 104</b><br>Cross-listed with:<br>Equivalent course(s): <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 checked="" type="checkbox"/> Yes <input 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: 60</b><br><b>Typical structure of instructional hours:</b> <table border="1"> <tr> <td>Lecture hours</td> <td>40</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td></td> </tr> <tr> <td>Laboratory hours</td> <td>20</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>60</b></td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                               |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 40 | Seminars/tutorials/workshops |  | Laboratory hours | 20 | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>60</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 40        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>60</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Maximum enrolment (for information only): 36</b><br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Every semester.                                                                                                                                                                                                                                                                                                                                                               |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> May 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Lucy Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |



**Learning Outcomes**

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

1. Construct histograms, boxplots, and other graphs from raw data, and interpret these graphs.
2. Obtain simple measures of location and dispersion from the data, and interpret the same.
3. Calculate the correlation between two linearly related variables, and obtain, use, and interpret lines of "best" fit.
4. Solve simple problems in probability requiring knowledge of conditional probability and statistical independence.
5. Use simple mathematical models for commonly occurring situations such as sampling with replacement, and physical or biological measurements.
6. Solve simple problems involving the distribution of the sample mean.
7. Construct and interpret confidence intervals for means and proportions and for differences in means, and check the conditions for inference in these cases.
8. Conduct tests of hypotheses for means and proportions and for differences in means, interpret p-values, check conditions for inference in these cases.
9. Draw inferences using linear regression.
10. Apply Pearson's chi-square statistic to draw inferences in appropriate categorical sampling situations.
11. Identify sources of potential bias in data and be able to obtain their own random samples.
12. Use statistical software for calculations and graphs throughout the course.

**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)**

A calculator is required.

**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. Moore, D.S., Notz, W.I. & Fligner, M.A. | The Basics Practice of Statistics, 7 <sup>TH</sup> Edition | <input checked="" type="checkbox"/> | Freeman   | 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:    | 40% | Assignments: | 10% | Midterm exam:     | 30% | Practicum: | %    |
| Quizzes/tests: | 20% | Lab work:    | %   | Field experience: | %   | Shop work: | %    |
| Other:         | %   | Other:       | %   | Other:            | %   | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

1. Introduction to statistical concepts, e.g. variation; and software, e.g. MINITAB, Excel, SPSS.
2. Descriptive statistics: Use statistical software to obtain histograms, stem-and-leaf plots, boxplots, etc. Measures of location, e.g. mean, median, mode; and scale, e.g. standard deviation, quartiles. Bivariate data: use statistical software to obtain correlation, linear regression line, use and interpret computer output.
3. Probability: Two-way tables, Venn and tree diagrams; joint, marginal and conditional probability. Independence and dependence. Simple models for discrete random variables, sampling with and without replacement. The normal distribution, standardization application of Central Limit Theorem.
4. Inferential statistics: Estimation, confidence intervals and tests of hypothesis for means, proportions and differences of means; p-values; conditions for inference. Pearson's chi-square statistic applied to a variety of problems, e.g. goodness-of-fit, testing for independence in a two-way table. Confidence intervals and test of hypothesis about the slope in simple linear regression.
5. Bad sampling designs (eg voluntary response samples, convenience samples) and other sources of error in data, use random number table to obtain simple random samples.
6. If time allows: simple experimental design.

**Memo for Course Changes**

To: FSCC, SFC, and UEC

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

Date: May 5, 2020

**Subject: Proposal for revision of STAT 106**

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: Equivalent courses

2. Rationale for change:

(A) Learning Outcomes

Learning Outcomes for the course are not changing significantly. Most proposed changes are simply rephrasing to more accurately describe what the Learning Outcomes have been and will continue to be.

The one exception to this is the removal of the Learning Outcome “Use categorical predictors in multiple linear regression by defining indicator (dummy) variables.” Instructors of STAT 106 are in agreement that this should not be an official Learning Outcome for the course, although some instructors may wish to visit this topic if time permits.

(B) Course Equivalence

Currently students may not receive credit for STAT 104 if they have previously received credit for STAT 106 or STAT 270, although they may receive credit for STAT 106 or STAT 270 after receiving credit for STAT 104. This “one-directional equivalence” of the courses is awkward for some students, and we propose that it be removed.

As an example of the difficulties that have arisen for students, if a student earns a poor grade in STAT 106, then wishes to take STAT 104 instead to meet the requirements of their program, they can’t do so. Meanwhile, a student who *fails* STAT 106 is subsequently able to take STAT 104 for credit.

While there is some overlap in the content covered in the three courses, the approach taken in each to provide an appreciation and understanding of statistics is quite different. A student with no math background (but with 45 or more university credits) can take STAT 104 to gain an appreciation of how statistical knowledge allows the interpretation of real-world meaning from data with very minimal mathematical computations. STAT 106 imparts this appreciation in a much more mathematical way, ideal for programmers, experimental scientists and economists, while STAT 270 demonstrates the mathematics *behind* the statistical theory using Calculus.

An example of a student who could greatly benefit by taking STAT 104 after STAT 106 or STAT 270 is one who is planning to enter Secondary TEP with Math as a teachable subject. The manner in which statistics is presented in STAT 104 will be very close to the manner in which it will be presented by this student when they teach Statistics 12 in high school.

Some Faculties may feel that the overlap in content between STAT 104 and STAT 106 is great enough that they prefer that only one of these courses should be allowed to count for credit towards one or more of their programs. For this reason, we propose including the following note below the calendar description:

*"Some degree and diploma credentials may allow only one of STAT 104 and STAT 106 to count as credit towards meeting program requirements."*

3. If there are substantial changes to the learning outcomes, explain how they align with the learning outcomes of the program(s):  
Changes to the Learning Outcomes are not substantial.
4. Is this course required by any program beyond the discipline? If so, how will this change affect that program or programs?  
As mentioned above in (2B), the proposed change will give greater flexibility to students in how they meet program requirements involving a statistics course.
5. Which program areas have been consulted about the change(s)? None.
6. What consideration has been given to indigenizing the curriculum?  
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: This course is eligible for PLAR.
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)

None of the above items are changing on the course outline.

9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? No field trips are required.

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

Typical costs for the course are roughly \$xxx, the cost of a textbook and online homework system package.



ORIGINAL COURSE IMPLEMENTATION DATE: September 1990  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED: (six years after UEC approval) October 2026  
 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> STAT 106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                       |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Full Title:</b> Statistics I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Course Short Title</b> (if title exceeds 30 characters):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty:</b> Faculty of Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Department (or program if no department):</b> Mathematics and Statistics                                                                                                                                                                                                                                                                                                                                                  |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Calendar Description:</b><br><p>An introduction to descriptive statistics, sampling, probability, estimation, hypothesis testing, correlation, regression, and analysis of variances, including multiple linear regression and one-way ANOVA. Faculty with Grade 12 level algebra is expected, but no calculus is required.</p> <p>Note: As a general rule, students with Mathematics 11 are prepared to take STAT 104, those with Mathematics 12 are prepared to take STAT 106, and those with a full year of calculus are prepared to take STAT 270/MATH 270. Before registering, students should check the requirements of their program. The UFV Mathematics major program requires STAT 270, while the Mathematics minor program requires STAT 106 or STAT 270.</p> <p>Note: Some degree and diploma credentials may allow only one of STAT 104 and STAT 106 to count as credit towards meeting program requirements.</p> |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | One of the following: (C or better in one of Pre-calculus 11, Applications of Mathematics 12, Principles of Mathematics 12, Pre-calculus 12, MATH 092, MATH 096, MATH 110, MATH 124, or MATH 140) or (C or better in both MATH 094 and MATH 095) or (B or better in Foundations of Mathematics 12) or (a score of 17/25 or better on Part B of the MSAT together with a score of 34/50 or better on Parts A and B combined). |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | NONE                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Equivalent Courses (cannot be taken for additional credit)</b><br>Former course code/number: <b>MATH 106</b><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 type="checkbox"/> No (if yes, fill in transfer credit form)<br>Resubmit revised outline for articulation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                   |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total Hours: 60</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: center;">40</td> </tr> <tr> <td>Seminars/tutorials/workshops</td> <td></td> </tr> <tr> <td>Laboratory hours</td> <td style="text-align: center;">20</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: center;"><b>60</b></td> </tr> </table>                                                                                                                                                                                                     |           | Lecture hours                                                                                                                                                                                                                                                                                                                                                                                                                | 40 | Seminars/tutorials/workshops |  | Laboratory hours | 20 | Field experience hours |  | Experiential (practicum, internship, etc.) |  | Online learning activities |  | Other contact hours: |  | <b>Total</b> | <b>60</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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 40        |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Seminars/tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20        |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Field experience hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Experiential (practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Online learning activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Total</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>60</b> |                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected frequency of course offerings (every semester, annually, every other year, etc.):</b> Every semester                                                                                                                                                                                                                                                      |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Department / Program Head or Director:</b> Ian Affleck                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> May 2020                                                                                                                                                                                                                                                                                                                                                                                               |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Dean/Associate VP:</b> Lucy Lee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date approved:</b> May 29, 2020                                                                                                                                                                                                                                                                                                                                                                                           |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                                        |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                      |    |                              |  |                  |    |                        |  |                                            |  |                            |  |                      |  |              |           |                                                                                                                                                                                                                                                                                                                                                                                                  |  |

**Learning Outcomes**

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

1. Differentiate between the population and the sample; display variety of sampling methods targeting a population with minimal bias, for example, simple random sampling, stratified random sampling, cluster sampling, etc.
2. Construct frequency tables and use numerical and graphical methods to explore qualitative and quantitative data.
3. Obtain measures of location, dispersion, and relative standing, and interpret.
4. Solve simple problems in probability requiring knowledge of conditional probability and statistical independence.
5. Solve problems regarding binomial and normal probability models; identify the sampling distribution of the sample mean and sample proportion.
6. Construct and interpret confidence intervals for a population mean and a population proportion.
7. Conduct hypothesis test for a population mean and a population proportion and interpret p-value.
8. Compare two population means and two population proportions by constructing confidence intervals and performing test of hypothesis.
9. Use the Analysis of Variance (ANOVA) method to test equality of three or more population means.
10. Apply Pearson's chi-square statistic to draw inferences in appropriate categorical sampling situations.
11. Display and interpret simple and multiple linear regression models and the associated ANOVA tables.
12. Use statistical software (for example Minitab) to produce graphs and perform statistical analysis.

**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, mixed with sessions in the computer lab.

**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**

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

| Author (surname, initials) | Title (article, book, journal, etc.) | Current ed.              | Publisher     | Year |
|----------------------------|--------------------------------------|--------------------------|---------------|------|
| 1. McClave and Sincich     | Statistics. 13th edition             | <input type="checkbox"/> | Prentice-Hall |      |
| 2.                         |                                      | <input type="checkbox"/> |               |      |
| 3.                         |                                      | <input type="checkbox"/> |               |      |

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

A scientific calculator with statistical functions is required.

**Typical Evaluation Methods and Weighting**

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 40% | Assignments: | 10% | Midterm exam:     | % | Practicum: | %    |
| Quizzes/tests: | 50% | Lab work:    | %   | Field experience: | % | Shop work: | %    |
| Other:         | %   | Other:       | %   | Other:            | % | 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**

1. Introduction to statistical concepts: types of statistical application, distinguishing between population and sample, types of data, and role of statistics in real world problems.
2. Descriptive statistics:  
Frequency tables, histograms, cumulative frequencies, box plot, bar graph, pie chart, etc.  
Measures of location, e.g. mean, median, mode; and scale, e.g. standard deviation, quantiles, Identifying outliers by box plot.
3. Probability: two-way tables, Venn and tree diagrams; joint, marginal and conditional probability, mutually exclusive events, independence events, Bayes' Theorem, counting rules, etc.
4. Random variables: the expected value, variance and standard deviation of a general discrete random variable; illustrate that certain random events can be described by discrete (Binomial) or continuous (Uniform and Normal) distribution models and apply each to find probabilities.
5. Sampling distribution: apply the Central Limit Theorem to both the sample mean and sample proportion and determine how likely they are to fall within a given range of values.
6. Inferential statistics: estimation, confidence intervals and tests of hypothesis.  
The Z-test and Student's t-test applied to proportions and means for one and two populations.  
Pearson's chi-square statistic applied to goodness-of-fit test in a one-way table and independence test in a two-way table.  
F-test in one-way ANOVA applied to comparison of the means of several populations.
7. Finding relationship between variables: Simple and multiple linear regression, least square estimation and interpretation of the coefficients, confidence intervals and testing hypothesis for coefficients, coefficient of correlation, coefficient of determination, using the regression model for estimation, prediction and stepwise regression.

**Memo for New Course**

To: CACC, UEC

From: Heather Davis-Fisch, SoCA Director

Date: April 15, 2020

**Subject: Proposal for new course MEDA 395: Special Topics in Media Arts**

1. Rationale for new course: This course provides students with an opportunity to explore a specific area of media arts. It will allow the program to be more responsive to student needs and to changes in emerging technologies and the media arts industries.
2. How this new course fits into program(s): This course will be an elective for Media Arts and Creative Arts students.

*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 Bachelor of Media Arts degree:
  - Apply the methods, theories, or practices of two or more distinct creative fields
  - Situate digital media within historical and theoretical contexts, including identifying drivers of technological and social change
  - Manage projects effectively
  - Communicate persuasively, clearly, and professionally in person-to-person and written contexts
  - Apply knowledge of media law and ethical principles to information sharing and intellectual property use
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? School of Creative Arts, Graphic and Digital Design
6. If a new discipline designation is required, explain why: NA
7. What consideration has been given to indigenizing the curriculum? The course topic and methods will vary in each offering; however, this course could be used to deliver Indigenous-focused content and could easily include examples from Indigenous media arts.
8. If this course is not eligible for PLAR, explain why:
9. Explain how each of the following 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)
10. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? If field trips were offered, they would be funded by students.

11. Estimate of the typical costs for this course, including textbooks and other materials: \$150





ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> MEDA 395                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Course Full Title:</b> Special Topics in Media Arts<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Department (or program if no department):</b> Media Arts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Calendar Description:</b><br><br>Provides students with an opportunity to explore a topic or specific area of media arts and will vary with the instructor.<br><br>Note: This course will be offered under different letter designations (e.g. C-Z) representing different topics, and may be repeated for credit provided the letter designation differs.                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | 45 university-level credits, including MEDA 100.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i><br><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 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>35</td> </tr> <tr> <td>Tutorials/workshops</td> <td>25</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>60</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 35 | Tutorials/workshops | 25 | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>60</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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i> |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 35        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 25        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>60</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit<br><br><b>Maximum enrolment (for information only):</b> 25<br><b>Expected Frequency of Course Offerings:</b><br>Every other year. <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                                                                     |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Department / Program Head or Director:</b> Heather Davis-Fisch                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> May 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> May 19, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> May 19, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                           |  |

MEDA 395

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:

- Apply methods, theories or practices relevant to the chosen topic.
- Analyze course themes or concepts in group discussions, studio or lab work, and/or writing.
- Demonstrate self-reflexivity and intellectual curiosity in relation to course material.
- Produce a research project, following a process that includes identifying a research question, locating and evaluating source material, and synthesizing multiple sources effectively.
- Apply research methods as relevant to the chosen topic and field, demonstrating knowledge of intellectual property use.
- Communicate persuasively, clearly and professionally, in methods appropriate to context of the course.
- Situate the topic in historical and theoretical contexts.

## 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, discussion, student presentations, lab/studio workshops.

**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. Williams, R.            | The Animator's Survival Kit                                                        | <input type="checkbox"/> |           | 2001 |
| 2. Zwerman, S. (ed.)       | The VES Handbook of Visual Effects: Industry Standard VFX Practices and Procedures | <input type="checkbox"/> |           | 2010 |
| 3. Block, B.               | The Visual Story: Creating the Visual Structure of Film, TV, and Digital Media     | <input type="checkbox"/> |           | 2007 |
| 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: | 40% | Field experience: | % | Portfolio:     | %    |
| Midterm exam:  | % | Project:     | 50% | Practicum:        | % | Participation: | 10%  |
| Quizzes/tests: | % | Lab work:    | %   | Shop work:        | % | Total:         | 100% |

## Details (if necessary):

## Typical Course Content and Topics

Digital Performance

Week 1 Introduction

Week 2 Production Planning

Week 3-6 Motion Builder

Week 7 Field Trip

Week 8-9 Maya

Week 10 Virtual Reality

Week 11 Game Engine Integration

Week 12-13 Final Presentations

**Memo for New Course**

To: CACC, UEC

From: Heather Davis-Fisch, SoCA Director

Date: April 15, 2020

**Subject: Proposal for new course MEDA 490: Directed Studies in Media Arts**

1. Rationale for new course: This course will allow upper year students to explore an area of their choice, identified in part through their work in MEDA 360, that will help them achieve their professional or creative goals.
2. How this new course fits into program(s): This course is an elective for students in the Bachelor of Media Arts.

*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): Depending on the student's choice of topic or project, this course may contribute to the delivery of the following program learning outcomes:
  - Apply the methods, theories, or practices of two or more distinct creative fields
  - Demonstrate technical competency using and independently learning how to use digital media technology applications
  - Situate digital media within historical and theoretical contexts, including identifying drivers of technological and social change
  - Manage projects effectively
  - Demonstrate the ability to plan out career and creative goals, to develop a plan to meet goals, and to reflect on the self-development process
  - Communicate persuasively, clearly, and professionally in person-to-person and written contexts
  - Demonstrate an understanding of principles of visual communication and design
  - Use a range of techniques to tell effective and compelling stories through words and images
  - Develop concepts and use prototyping methods to evaluate validity/utility of ideas
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? School of Creative Arts, Graphic and Digital Design
6. If a new discipline designation is required, explain why: NA
7. What consideration has been given to indigenizing the curriculum? The topic and methods of this course will depend on the student's proposal. The course can provide an opportunity for students to explore areas of Indigenous media arts not otherwise addressed in the Bachelor of Media Arts program.
8. If this course is not eligible for PLAR, explain why: NA
9. Explain how each of the following 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)
10. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded? NA
11. Estimate of the typical costs for this course, including textbooks and other materials: Dependent on student topic choice. Approx. \$0-\$150.



ORIGINAL COURSE IMPLEMENTATION DATE: January 2021  
 REVISED COURSE IMPLEMENTATION DATE:  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> MEDA 490                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                  |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Directed Studies in Media Arts<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 Humanities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Department (or program if no department):</b> Media Arts                                                                                                                                                                                                                                                                                                             |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br><br>Students have the opportunity to pursue in-depth independent study of a particular issue, problem or topic in media arts not otherwise offered. Students develop detailed individual course proposals in consultation with a faculty member, indicating the readings or other study to be undertaken and how the course will be assessed.<br><br>Note: Students may take this course for credit more than once provided it is under different topics.                                                                        |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | MEDA 360.                                                                                                                                                                                                                                                                                                                                                               |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <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 type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input checked="" 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 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></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>0</td> </tr> <tr> <td>Supervised online activities</td> <td></td> </tr> <tr> <td>Other contact hours: regular meetings and student-directed learning</td> <td>60</td> </tr> <tr> <td><b>Total hours</b></td> <td><b>60</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                   |  | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) | 0 | Supervised online activities |  | Other contact hours: regular meetings and student-directed learning | 60 | <b>Total hours</b> | <b>60</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.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0         |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| Other contact hours: regular meetings and student-directed learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60        |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>60</b> |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Maximum enrolment (for information only):</b> 6<br><b>Expected Frequency of Course Offerings:</b><br>Every semester. <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                                              |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                         |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Heather Davis-Fisch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date approved:</b> May 2020                                                                                                                                                                                                                                                                                                                                          |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           | <b>Date approved:</b> May 19, 2020                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> Jacqueline Nolte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date approved:</b> May 19, 2020                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of posting:</b> June 26, 2020                                                                                                                                                                                                                                                                                                                                   |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                 |  |                     |  |                             |  |                                                              |   |                              |  |                                                                     |    |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

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

- Execute a self-designed plan of study in consultation with a faculty supervisor.
- Complete a course project in a form agreed upon with the instructor (extended paper, creative project).
- Conduct independent research and synthesize a substantial number of sources.
- Apply methods, theories or practices relevant to the project.
- Demonstrate self-reflexivity and intellectual curiosity in relation to course material.
- Communicate persuasively, clearly and professionally, in methods appropriate to context of the course.

**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.*)

Weekly discussions with faculty supervisor.

**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. Catmull, E.             | Creativity Inc.: Overcoming the Unseen Forces That Stand in the Way of True Inspiration. | <input type="checkbox"/> | Random House | 2014 |
| 2. Bacher, H.              | Dream Worlds: Production Design for Animation                                            | <input type="checkbox"/> | Routledge    | 2007 |
| 3. Zwerman, S. Okun, J.    | The VES Handbook of Visual Effects: Industry Standard VFX Practices and Procedures       | <input type="checkbox"/> | Routledge    | 2010 |

**Typical Evaluation Methods and Weighting**

|            |     |            |     |            |     |        |      |
|------------|-----|------------|-----|------------|-----|--------|------|
| Project 1: | 25% | Project 2: | 30% | Project 2: | 45% | Total: | 100% |
|------------|-----|------------|-----|------------|-----|--------|------|

**Details (if necessary):**

**Typical Course Content and Topics**

**Visual Effects and Production Design**

|         |                                                                                                                                                   |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Week 1  | Course outline review, a discussion of expectations.<br>Project proposal and goal setting.<br>ASSIGNMENT #1: Project Plan                         |
| Week 2  | Artist's statement and artist statement of intent.<br>Review and revise project plan.<br>Portfolio goals<br>ASSIGNMENT #2: Project 1 (due week 6) |
| Week 3  | Work in progress critique.<br>Concept development<br>Research methods.                                                                            |
| Week 4  | Work in progress critique.<br>Concept development<br>Research methods.                                                                            |
| Week 5  | Work in progress critique.<br>Instructional lab time as required.                                                                                 |
| Week 6  | Presentation and critique.<br>Project review and goal setting.<br>ASSIGNMENT #3: Project 2 (due week 9)                                           |
| Week 7  | Work in progress critique.<br>Instructional lab time as required.                                                                                 |
| Week 8  | Work in progress critique.<br>Instructional lab time as required.                                                                                 |
| Week 9  | Presentation and critique.<br>Project review and goal setting.<br>ASSIGNMENT #3: Project 3 (due week 13)                                          |
| Week 10 | Work in progress critique.<br>Instructional lab time as required.                                                                                 |
| Week 11 | Work in progress critique.<br>Instructional lab time as required.                                                                                 |
| Week 12 | Work in progress critique.<br>Instructional lab time as required.                                                                                 |
| Week 13 | Presentation and final critique.                                                                                                                  |

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: November 1, 2019

**Subject: Proposal for revision of ENGR 113 (Engineering Physics – Statics & Dynamics)**

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:

- All of the post-secondary institutions in BC – coordinated by the provincial Engineering articulation committee - are making a major push to have a Common Core for all of the first-year engineering programs in order to facilitate transfer.

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 are prescribed by the content and direction of the provincial Common Core.

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

- UFV's Engineering – Mechatronics diploma program committee has approved the changes.

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

- The provincial Articulation committee

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

- The department attempts to incorporate questions in physics relevant to the lives of indigenous students, insofar as this is compatible with the Common Core.

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?
  - N/A
10. Estimate of the typical costs for this course, including textbooks and other materials:
  - \$400 for two textbooks, but one of them was used in a prerequisite, PHYS 111.

**CWC comments and responses:**

- Learning outcomes: “accurately” and “properly” refer to assessment rather than outcome, and should be removed.

*In an Engineering context, both words have significant legal meaning.*

- UEC may have concerns with learning outcome #6, as it is a method of assessment. Suggest deleting or revising.

*Team project work is listed in the provincial documents as a learning outcome. Specifically, things like “Understand group dynamics theory (e.g., Tuckman model)”, “give/receive feedback effectively”, etc. – I could put those in.*





**ORIGINAL COURSE IMPLEMENTATION DATE:** September 1999  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): October 2026  
**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> ENGR 113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                          |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Engineering Physics - Statics and Dynamics<br><b>Course Short Title:</b> Statics and Dynamics<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> Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                                                                                        |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Emphasizes solution techniques and proper documentation for problems involving practical applications of Newton's laws to engineering situations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | MATH 111 and PHYS 111.                                                                                                                                                                                                                                                                                                                          |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <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: <b>PHYS 113</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 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" style="width: 100%; border-collapse: collapse;"> <tr> <td>Lecture/seminar hours</td> <td style="text-align: center;">45</td> </tr> <tr> <td>Tutorials/workshops</td> <td style="text-align: center;">45</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 style="text-align: right;"><b>Total hours</b></td> <td style="text-align: center;"><b>90</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                           | 45 | Tutorials/workshops | 45 | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>90</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 45        |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45        |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>90</b> |                                                                                                                                                                                                                                                                                                                                                 |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input 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> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> October 2019                                                                                                                                                                                                                                                                                                              |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           | <b>Date approved:</b> November 2019                                                                                                                                                                                                                                                                                                             |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date approved:</b> November 2019                                                                                                                                                                                                                                                                                                             |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date of posting:</b> February 21, 2021                                                                                                                                                                                                                                                                                                       |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                         |    |                     |    |                             |  |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                      |  |

## Learning Outcomes

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

- Accurately make free body diagrams for single objects and structures
- Use Newton's Laws to model and analyze practical situations in statics and dynamics
- Properly choose from multiple co-ordinate systems to simplify the analysis
- Use kinematics, energy, momentum or thermodynamics as appropriate for the solution of a situation
- Properly document a solution in the standard format for engineering/industrial applications
- Participate in the design and construction of group projects and subsequent presentation of the results.

The learning outcomes are defined by the requirements for the Phys III component of the "First-Year Common Engineering Curriculum for the BC Post-Secondary Sector" which state the required course content, which is listed below in the Course Content section.

## 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 presented using lectures, tutorials, and a project. Approximately seven problems per week will be handed in and marked. During the tutorial the marked assignments will be discussed, additional problems in the same general area will be dealt with, and help will be given for those needing it for the next assignment set. There will be a close coordination between the lecture topics and the tutorials. The project will be a spaghetti bridge competition (or something similar) based on the structural chapter covered.

**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. Hibbeler, R.C.                                     | Engineering Mechanics (Statics and Dynamics), 14 <sup>th</sup> ed. | <input checked="" type="checkbox"/> | Pearson     | 2015 |
| 2. Beer, F.; Johnston, E.R.; Mazurek D.; Cornwell, P. | Vector Mechanics for Engineers, S. I. Metric Ed.                   | <input checked="" type="checkbox"/> | McGraw Hill | 2015 |
| 3. Young and Freedman                                 | University Physics, 15 <sup>th</sup> ed.                           | <input checked="" type="checkbox"/> | Pearson     | 2019 |
| 4.                                                    |                                                                    | <input type="checkbox"/>            |             |      |

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

Engineering Grade Paper and simple drawing instruments.

## Typical Evaluation Methods and Weighting

|                |     |              |     |                   |   |            |      |
|----------------|-----|--------------|-----|-------------------|---|------------|------|
| Final exam:    | 40% | Assignments: | 15% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 25% | Project:     | 10% | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 10% | Lab work:    | %   | Shop work:        | % | Total:     | 100% |

## Details (if necessary):

## Typical Course Content and Topics

| Lectures/tutorial (each 3 hours)      | Topic                                                                                                                               | Chapters                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 2                                     | Introduction to mechanics, fundamental concepts and principles, systems of units, solution methods and numerical accuracy. Vectors. | Hibb Ch1 1.1-1.6<br>Hibb Ch2 2.1-2.9 |
| 1                                     | Newton's laws, forces as vectors, free body diagrams and Equilibrium.                                                               | Hibb Ch3 3.1-3.4                     |
| 3                                     | Rigid body equilibrium, torques as vector cross products, equivalent forces and couples. Loadings and distributed forces            | Hibb Ch4 4.1-4.10                    |
| 2                                     | Rigid body equilibrium in two and three dimensions                                                                                  | Hibb Ch5 5.1-5.7                     |
| 2                                     | Analysis of structures (trusses and frames).                                                                                        | Hibb Ch6 6.1-6.6                     |
| 1                                     | Internal Forces                                                                                                                     | Hibb Ch7 7.1-7.3                     |
| 1                                     | Friction-wedges, square threaded screws, journal bearings, thrust bearings, and belt friction                                       | Hibb Ch8 8.1-8.4                     |
| 1                                     | Midterm                                                                                                                             |                                      |
| 3                                     | Particle kinematics – rectilinear and curvilinear motion (radial and tangential components)                                         | Hibb Ch12 12.1-12.9                  |
| 2                                     | Newton's second law on dynamic systems                                                                                              | Hibb Ch13 13.1 13.6                  |
| 1                                     | Project-Spaghetti Bridge                                                                                                            |                                      |
| Y&F Ch 17, 18<br>17.1-17.9, 18-1-18.7 | Introduction to Thermodynamics                                                                                                      | Y&F Ch 15 15.1-15.9                  |
| 2                                     | Heat Capacity; Kinetic Theory                                                                                                       | Y&F Ch 16 16.1-16.7                  |
| 2+                                    | Thermodynamic Laws; Heat Engines                                                                                                    |                                      |

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: August 25, 2019

**Subject: Proposal for revision of PHYS 111 (Mechanics)**

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 most important change has to do with prerequisites. UUP has altered their Math offerings and course numbers, and this OCO reflects those updates.
- The learning outcomes now more closely reflect what is achieved in this course.

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

- No substantial changes are made to what is actually done, but the phrasing makes it clear how scientific skills and knowledge are obtained and analyzed, and how this information is communicated.

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

- Yes, the Engineering Transfer Program. Changes are not significant.

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

- College of Arts Curriculum Committee (to see if it fulfills their scientific literacy requirement).
- ETP (Peter Mulhern)
- UUP (regarding Math prerequisites – Greg St. Hilaire)

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

- The department attempts to incorporate questions in physics relevant to the lives of indigenous students.
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
      - No changes
    - b. Class size limit
      - No changes
    - c. Frequency of offering
      - No changes
    - d. Resources required (labs, equipment)
      - Physics labs
  9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?
    - No
  10. Estimate of the typical costs for this course, including textbooks and other materials:
    - Textbook cost is about \$150, but the same text is also used in PHYS 112. Scientific calculators are required. (TI-8x series graphing calculator preferred.) Calculator cost is about \$150, but is used in other courses such as MATH 111/112.

**CWC comments and responses:**

- Has the department considered changing MATH 111 from “highly recommended” to a required pre/corequisite?  
*MATH 111 should remain as a recommendation. We believe the Note in the Calendar description is sufficient.*
- The use of “prerequisites for MATH 111” rather than specific Math courses may be problematic. Although there are a few other courses with similar prereqs (i.e. that refer to the prereqs for a different course), there are two concerns. First, it means that both students and the staff responsible for coding the prereqs have an additional step to look up what is required. Second, if the MATH 111 prereqs change, there is no trigger to update the coded prereqs for PHYS 111, so they may become outdated without anyone realizing.  
*That is the entire point of saying "prerequisites for Math 111". Because Math is continually chopping and changing them, we didn't want to have to keep adjusting ours - just a waste of time and effort, frequently dragging updates through the process. Besides, previous iterations of UEC thought this was a GREAT idea.*



ORIGINAL COURSE IMPLEMENTATION DATE: September 1993  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> PHYS 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | <b>Number of Credits:</b> 5 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Course Full Title:</b> Mechanics<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 Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Intended for students who are planning to study engineering science or life sciences. Topics covered include vectors, kinematics, dynamics, work and energy, collisions, rotational kinematics, rotational dynamics, simple harmonic motion, and gravitation. The object is to understand the fundamental laws of mechanics, to learn how to apply the theory to solve related problems, and to develop a feeling for the order of magnitude of physical quantities and uncertainties in real experiments.<br>Note: Students with credit for this course cannot take PHYS 100 or PHYS 101 for further credit.<br>Note: MATH 112 or MATH 118 are corequisites for PHYS 112, although the Physics department will waive this requirement for students with an A in PHYS 111. |            |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | One of: Physics 12, PHYS 093, or (one of [Principles of Mathematics 12, Pre-calculus 12, MATH 095, or MATH 110] and one of [Physics 11, PHYS 083, or PHYS 100]). Note: As of September 2021, prerequisites will change to one of the following: Physics 12, PHYS 093, or (prerequisites for MATH 111 and one of Physics 11, or PHYS 083, or PHYS 100). |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | MATH 111 is highly recommended.                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <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>PHYS 100, PHSY 101</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="#">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 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>75</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>30</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>105</b></td> </tr> </table>                                                                                                                                                                                                                                                                                        |            | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                  | 75 | Tutorials/workshops |  | Supervised laboratory hours | 30 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>105</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 75         |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30         |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>105</b> |                                                                                                                                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | <b>Maximum enrolment (for information only):</b> 36<br><b>Expected Frequency of Course Offerings:</b><br>Fall and Winter <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            | <b>Date approved:</b> June 1, 2019                                                                                                                                                                                                                                                                                                                     |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |

**Learning Outcomes:**

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

1. Solve problems involving forces, accelerations, and linear momentum by applying the fundamental laws of Newtonian mechanics.
2. Perform fundamental laboratory experiments in simple mechanics, interpret the data obtained, and report the results.
3. Estimate the order of magnitude of physical quantities in simple mechanics experiments using basic instrumentation.
4. Develop their ability to discern different types of uncertainties in data, and use these numbers to calculate the uncertainties in values in mechanics experiments.
5. Use vectors in conjunction with calculus to solve problems in mechanics.
6. Solve kinematic and dynamic problems with rotational motion, calculating moments of inertia from the definition and using the parallel axis theorem.
7. Calculate the vector gravitational force and potential energy from several point masses and spheres.
8. Apply conservation of energy and angular momentum to elliptical orbits and Newton's Second law to circular motion.
9. Calculate escape velocities from, and time periods of, circular orbits.

**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 presented using lectures and laboratory experiments. Audio-visual aids will be used where appropriate. Problems will be assigned on a regular basis, which are to be handed in and marked. Problems that require the use of calculus will be emphasized. Close coordination will be maintained between laboratory and classroom work. Computer-assisted learning programs may be used to increase the understanding of the concepts being studied.

**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. Young and Freedman      | University Physics 15 <sup>th</sup> edition                | <input checked="" type="checkbox"/> | Pearson        | 2019 |
| 2. R. Hawkes et al.        | Physics for Scientists and Engineers.                      | <input checked="" type="checkbox"/> | Nelson         | 2019 |
| 3. Halliday/Resnick/Walker | Fundamentals of Physics                                    | <input checked="" type="checkbox"/> | Wiley and Sons |      |
| 4.                         | Any first-year physics book that uses calculus and vectors | <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: | 10% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 25% | Project:     | %   | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 10% | Lab work:    | 15% | Shop work:        | % | Total:     | 100% |

**Details (if necessary):** Weighting of quiz vs Assignments will vary by instructor

**Typical Course Content and Topics**

- Introduction to course: relationship of lecture, tutorials, and laboratories; units and dimensional analysis
- Vectors: vector and scalar quantities, addition, resultant of several vectors, unit vector, dot and cross product
- Kinematics of a particle: speed and velocity, relative velocity, average velocity, acceleration, rectilinear motion with constant acceleration, projectiles
- Dynamics of a particle: Newton's laws of motion and applications, friction and motion on an incline
- Momentum: definition, linear momentum, conservation of momentum, impulse
- Work, energy, and power: work, kinetic energy, gravitational potential energy, elastic potential energy, equivalence of mass and energy, power
- Conservation of energy: collisions, types of collisions, conservation of total energy, mechanical energy
- Rotational kinematics: angular quantities, angular speed and velocity, angular acceleration, tangential quantities, radial acceleration, centripetal force
- Rotational dynamics: kinematics of pure rotation, centre of mass, torque and rotational inertia, angular momentum, conservation of angular momentum
- Gravitation: law of gravitation, gravitational force and weight, satellite motion, Kepler's laws
- Periodic motion: Hooke's law, simple harmonic motion, period, displacement, velocity and acceleration for SHM.

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: August 25, 2019

**Subject: Proposal for revision of PHYS 221 (Intermediate Mechanics)**

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 6 year review, where we have updated the calendar description and learning outcomes to adhere to the new standards. In addition, we have updated the evaluation methods to reflect the way the course is currently being taught. Textbook was also updated to the most recent version.

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 updated to more clearly align with those of the program. Although the language has been updated to reflect current standards, the actual goals of the course remain intact.

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 only required for Physics and Engineering programs, and the changes will not affect them.

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

- N/A

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

- The department attempts to incorporate questions in physics relevant to the lives of indigenous students.

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
    - No change
  - b. Class size limit
    - No change
  - c. Frequency of offering
    - No change
  - d. Resources required (labs, equipment)
    - No change
7. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?
  - N/A
8. Estimate of the typical costs for this course, including textbooks and other materials:
  - Depending on where the textbook is purchased, the expected cost for the book and supplies should be less than \$100.





ORIGINAL COURSE IMPLEMENTATION DATE: June 1993  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> PHYS 221                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | <b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Course Full Title:</b> Intermediate Mechanics<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 Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                                                                             |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Calendar Description:</b><br>This intermediate mechanics course covers polar co-ordinates, orbits, dynamics of solid bodies, driven damped oscillators, and coupled oscillators.                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | (PHYS 111 and PHYS 112) or (PHYS 101 and PHYS 105 with a B+ or higher in each).                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | MATH 211.                                                                                                                                                                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <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): <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 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>75</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>30</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>105</b></td> </tr> </table> |            | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                | 75 | Tutorials/workshops |  | Supervised laboratory hours | 30 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>105</b> | <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 75         |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 30         |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>105</b> |                                                                                                                                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes                                                                                                                                                                                                                                                                                                                                                                                              |            | <b>Maximum enrolment (for information only):</b> 24<br><b>Expected Frequency of Course Offerings:</b> Annually<br>Annually <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | <b>Date approved:</b> September 1, 2019                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                                                                            |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                              |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |            |                                                                                                                      |  |

**Learning Outcomes:**

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

- Identify the relevant physics in mechanical systems.
- Create mathematical models of oscillating mechanical systems.
- Justify their mathematical models and be aware of their limitations
- Solve the mathematical models of mechanical systems to predict their future behavior.
- Describe their results clearly to others.
- Collect and analyze data on physical systems, contrasting them with model predictions.

**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 presented using lectures and laboratory experiments. Demonstrations and audio-visual aids will be used whenever appropriate. Problem sets will be assigned and graded for each chapter studied.

**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. Fowles & Cassiday       | Analytical Mechanics, 7 <sup>th</sup> ed. | <input checked="" type="checkbox"/> | Brooks/Cole    | 2004 |
| 2. Alonso & Finn           | Fundamental University Physics, Vol. I    | <input checked="" type="checkbox"/> |                |      |
| 3. A.P. French             | Newtonian Mechanics                       | <input checked="" type="checkbox"/> |                |      |
| 4. Halliday & Resnick      | Physics, Part I                           | <input checked="" type="checkbox"/> | J. Wiley       |      |
| 5. Kleppner & Kolenkow     | An Introduction to Mechanics              | <input checked="" type="checkbox"/> | McGraw-Hill    |      |
| 6. A. Douglas Davis        | Classical Mechanics                       | <input checked="" type="checkbox"/> | Academic Press |      |

**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:  | 25% | Project:     | %   | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 10% | Lab work:    | 10% | Shop work:        | % | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

- Kinematics: motion in one and two dimensions; dissipative forces; forces as function of time, position, and velocity
- Harmonic oscillator: simple harmonic oscillator, power series representation of an arbitrary function, damped and forced oscillators
- Vectors: vector algebra, vector multiplication, coordinate systems, vector calculus, vector differential operators
- Coordinate systems: plane polar coordinates, cylindrical coordinates, spherical coordinates, moving and rotating coordinate systems, vector differential operators in spherical and cylindrical coordinate systems
- Central forces: potential energy and central forces, angular momentum and central forces, inverse square law and ellipses, Kepler's laws
- Rigid bodies: centre of mass, angular momentum, rotation about a fixed axis, moment of inertia, conservation of energy and momentum
- Systems of particles: momentum, momentum with variable mass (including rockets), collisions, centre of mass

**Laboratory experiments:**

1. Dissipative forces ( $F$ ,  $v$ ) (two lab periods)
2. Anharmonic motion (two lab periods)
3. Damped harmonic motion
4. Coupled harmonic motion
5. Forced damped oscillations
6. Compound pendulum
7. Moment of inertia of complex symmetric shapes

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: November 1, 2019

**Subject: Proposal for revision of PHYS 225 (Waves and Introductory Optics)**

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:

- No real major changes to report. The calendar description has been vastly simplified, the hours have been tweaked a little bit to reflect the actual contact time, and there have been minor adjustments to the learning outcomes.

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

- An LO has been added to reflect current thinking on what the program should contain.

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?

- The department attempts to incorporate questions in physics relevant to the lives of indigenous students.

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?
  - N/A
10. Estimate of the typical costs for this course, including textbooks and other materials:
  - The recommended (but not required) text is about \$150

**CWC comments and responses:**

- 90 hours for a 3 credit course is not consistent with Policy 105. UEC will need additional rationale to support this.  
*As with PHYS 382, hours devoted to labs are counted somewhat differently. But since these labs do take over a small part of the lecture time, the hours will be adjusted back to their original values, although this will undercount them a bit.*
- Learning outcome #8: “demonstrate a knowledge of” should be changed to a more measurable verb, such as describe, explain, discuss, etc.  
*Changing the first verb to “Explain” will be fine.*
- Learning outcome #11: how is this assessed? Is the outcome that students be able to work collaboratively, or is the reporting of the results what is being assessed? Suggest revising for clarity.  
*Again, this is an attempt to incorporate anticipated BSc program learning outcomes into course outlines, so something like this will have to be included at some point. But perhaps that point is not now.*



ORIGINAL COURSE IMPLEMENTATION DATE: January 2013  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> PHYS 225                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Course Full Title:</b> Waves and Introductory Optics<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 Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                      |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Calendar Description:</b><br>An introduction to wave properties as they apply to such topics as cables, sound, light, and quantum theory. Simple optical systems will also be studied; a small number of experiments will be performed to quantify many of the concepts studied.                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | PHYS 221.                                                                                                                                                                                                                                                                     |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | PHYS 381 recommended.                                                                                                                                                                                                                                                         |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <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 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>60</td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td>15</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>75</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                         | 60 | Tutorials/workshops |  | Supervised laboratory hours | 15 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: |  | <b>Total hours</b> | <b>75</b> | <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> |  |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 60        |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15        |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| Other contact hours:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                               |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>75</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> 24<br><b>Expected Frequency of Course Offerings:</b> Annually<br>Annually <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                 |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Department / Program Head or Director:</b> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           | <b>Date approved:</b> January 10, 2020                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> January 10, 2020                                                                                                                                                                                                                                        |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                     |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                       |    |                     |  |                             |    |                                                              |  |                              |  |                      |  |                    |           |                                                                                                                                                                                                                                                                                                                                                 |  |

**Learning Outcomes:**

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

- Apply the relationship between frequency, velocity, and wavelength of waves to various situations.
- Solve the wave equation for various boundary conditions in one dimension.
- Distinguish the difference between standing and traveling waves.
- Verify both plane wave and spherical wave solutions to the wave equation, and apply them to diffraction.
- Describe the difference between transverse and longitudinal waves, and identify examples of both.
- Utilize the concepts of interference and superposition of waves to perform specific calculations.
- Perform calculations involving the relationship between power and intensity of sound waves.
- Explain Huygens principle, and be able to apply it to simple situations.
- Perform basic calculations for simple optical systems involving the reflection, refraction, and diffraction of light.
- Show how a wave equation can be derived from Maxwell's equations in free space.
- Apply de Broglie and Planck's hypotheses to simple quantum systems.

**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 is primarily lecture-based, but laboratory experiments will be performed on roughly a bi-weekly basis in order to both help students better understand the lecture material, and gain a deeper insight into the physical processes involved.

**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. Smith, Walter Fox       | Waves and Oscillations: A Prelude to Quantum Mechanics | <input type="checkbox"/> | Oxford University Press    | 2010 |
| 2. French, A.P.,           | Vibrations and Waves                                   | <input type="checkbox"/> | W. W. Norton & Company     | 1971 |
| 3. Fleisch & Kinnaman      | A Student's Guide to Waves                             | <input type="checkbox"/> | Cambridge University Press | 2015 |
| 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: | 20% | Field experience: | % | Portfolio: | %    |
| Midterm exam:  | 20% | Project:     | %   | Practicum:        | % | Other:     | %    |
| Quizzes/tests: | 10% | Lab work:    | 15% | Shop work:        | % | Total:     | 100% |

**Details (if necessary):**

**Typical Course Content and Topics**

**1. Review and extension of harmonic motion**

- Basic equation of SHM with real and complex solutions, mass on a spring, simple pendulum, physical pendulum, torsion oscillators, buoyant oscillations (cork bobbing in water), coupled oscillators

**2. Continuous media**

- Stress and strain, elastic deformations and Young's modulus, derivation of the wave equation for a 1-dimensional string, relationship between frequency, velocity and wavelength, energy carried by a wave

**3. Solutions to the 1D wave equation**

- Boundary conditions for standing waves and the quantization of frequency, boundary conditions for traveling waves between different media, reflection and transmission coefficients, superposition and interference, beats, wave packets and Fourier series, group and phase velocities

**4. Sound**

- Sound as a 3D longitudinal pressure wave, bulk modulus and the velocity of sound, simple musical instruments, beats, Doppler shift, power and intensity of sound waves, sonar, noise cancellation

**5. More properties of waves**

- Huygens principle, reflection and refraction, diffraction from: single slit, double slit and multiple slits

**6. Wave optics**

- 3D wave equation from Maxwell's equations, polarization, law of reflection, index of refraction, Snell's law, total internal reflection, dispersion, presentation of lens and mirror equations, real and virtual images, magnification, examples of simple optical systems, Doppler shift of light

**7. Matter waves**

- Planck and deBroglie's hypotheses, energy and momentum quantization, quantum theory and the simplified hydrogen atom, Balmer series, derivation of the Schrödinger equation and the introduction of the wavefunction

**Laboratory experiments:**

1. Periodic motion
2. Resonance in an air column
3. Standing waves on a wire
4. Interference of sound and light
5. Geometric optics and the thin lens equation
6. Diffraction of light
7. Spectral analysis

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: November 7, 2019

**Subject: Proposal for revision of PHYS 382 (Modern Physics Laboratory I)**

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 6-year review incorporates no major changes.

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

- Implicit outcomes including the practice of scientific communication and teamwork are made more explicit.

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

- Also part of the Engineering Physics – Mechatronics diploma. The program group has been consulted and approves the minor changes.

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

- See above

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

- The department attempts to incorporate questions in physics relevant to the lives of indigenous students. In this particular course, students are encouraged to come up with their own ideas for a suitable project. If it happens to have an indigenous component, excellent.

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
    - This has been changed for reasons of available lab space. There are only 10 workstations available. The thinking is that the default number of students per group is 2, as has been the standard since 1<sup>st</sup> year.
  - 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:
- Students may need to purchase parts for their project. The department will reimburse the student for reasonable costs.



ORIGINAL COURSE IMPLEMENTATION DATE: June 1993  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> PHYS 382                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                               |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Course Full Title:</b> Modern Physics Laboratory I<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 Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                                                                             |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Calendar Description:</b><br>Students will be required to do a selection of experiments from a list spanning the many topics in physics: mechanics, optics, solid state physics, thermodynamics, electromagnetism, electronics, nuclear physics, etc., or an approved project in an area of interest to them.                                                                                                                                                                                                               |           |                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | PHYS 221, PHYS 225, or PHYS 232.                                                                                                                                                                                                                                                                                                     |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | One of PHYS 312, PHYS 321, PHYS 351, PHYS 402, PHYS 410, PHYS 455, PHYS 457, or PHYS 458 is encouraged.                                                                                                                                                                                                                              |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes<br>Submit outline for (re)articulation:<br><input 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>45</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: Presentation</td> <td>5</td> </tr> <tr> <td><b>Total hours</b></td> <td><b>50</b></td> </tr> </table> |           | Lecture/seminar hours                                                                                                                                                                                                                                                                                                                |  | Tutorials/workshops |  | Supervised laboratory hours | 45 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: Presentation | 5 | <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45        |                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| Other contact hours: Presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5         |                                                                                                                                                                                                                                                                                                                                      |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <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> 20<br><b>Expected Frequency of Course Offerings:</b><br>Once every two or three years <i>(Every semester, Fall only, annually, etc.)</i>                                                                                                                                            |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Department / Program Head or Director:</b> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           | <b>Date approved:</b> December 1, 2019                                                                                                                                                                                                                                                                                               |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date approved:</b> January 10, 2020                                                                                                                                                                                                                                                                                               |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | <b>Date approved:</b> January 10, 2020                                                                                                                                                                                                                                                                                               |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                                                                            |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                              |  |                     |  |                             |    |                                                              |  |                              |  |                                   |   |                    |           |                                                                                                                      |  |

**Learning Outcomes:**

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

1. Demonstrate that a theoretical claim is only as good as the supporting data.
2. Form and answer their questions experimentally.
3. Use several standard measuring devices found in most modern physics labs.
4. Measure and to check if the classroom theory is reproducible in the lab.
5. Do some simple research projects.
6. Exhibit lab and presentation skills suitable for publishable documents and conference presentations.
7. Show the technical communication and presentation skills used in industry and academic research.
8. Demonstrate familiarity with the theory, apparatus, procedure, and results of several experiments from the list in the course content section (below).

**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.*)

1. At the beginning, all students will be required to do a few specific experiments, usually two, requiring two weeks each. (Topics will likely be absorption of radiation, Millikan's experiment or photoelectric effect.) The remaining experiments will be chosen from a suggested list which will cover a wide cross section of the standard physics disciplines: mechanics, electricity, magnetism, optics, thermodynamics, solid state physics, electronics, etc. (Again, usually two experiments requiring one month each.)
2. The students may work individually, but preferably in groups.

**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. None                    |                                      |             |           |      |
| 2.                         |                                      |             |           |      |
| 3.                         |                                      |             |           |      |

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

**Typical Evaluation Methods and Weighting**

|                |   |                     |     |                   |   |                       |      |
|----------------|---|---------------------|-----|-------------------|---|-----------------------|------|
| Final exam:    | % | Assignments:        | %   | Field experience: | % | Portfolio:            | %    |
| Midterm exam:  | % | Project:            | 15% | Practicum:        | % | Seminar/Presentation: | 10%  |
| Quizzes/tests: | % | Lab work: (reports) | 75% | Shop work:        | % | Total:                | 100% |

**Details (if necessary):**

1. The majority of marks earned (75%) in this course will be derived from the accumulated grades assigned to the individual laboratory reports.
2. The students will be required to give a presentation/seminar in which they will discuss their project. This project and seminar will be worth 25% of the final grade assigned.

**Typical Course Content and Topics**

Optics Group:

1. Geometric optics (visible light or microwave optics)
2. Interference and diffraction (single & double slit)
3. Grating and/or prism spectrometer
4. Michelson interferometer and the index of refraction of air
5. Fabry-Perot interferometer
6. Speed of light
7. Fresnel lenses
8. Zeeman effect
9. Thin film interference
10. Analysis of mirage optics demo

Advanced Mechanics Group:

1. ~~Determine the numerical value for the gravitational constant G. (Cavendish apparatus) (awaiting repairs)~~
2. Measuring the acceleration due to gravity (Kater's pendulum)
3. Mechanical equivalent of heat
4. Angular momentum
5. Gyroscopic precession and nutation

6. Measuring the rolling friction and air friction on an automobile as a function of its speed
7. Measuring the lift to drag ratio on various shaped bodies in laminar airflow
8. Terminal velocity of a balloon and bubbles

Advanced E&M Group:

1. Plotting of 3D magnetic fields (Helmholtz coils) – Hall probe
2. Ferromagnetism (hysteresis)
3. Impedance of loudspeakers
4. Current balance
5. Coils & spinning magnets
6. Hall effect

20<sup>th</sup> Century Physics Group:

1. Black body radiation
2. Millikan oil drop experiment (*required*)
3. Photoelectric effect (*required*)
4. Michelson/Morley
5. Radiation –physics and probability (*required*)
6. Franck-Hertz experiment
7. Electron spin resonance
8. Measurement of heat loss from various residences using an infrared camera

Historical Group: (PHYS 410)

1. Millikan oil drop experiment
2. Photoelectric effect
3. Michelson/Morley
4. Curvature of the Earth
5. Geometric parallax
6. Galilean experiments (rolling bodies, speed of light, etc.)
7. Galilean astronomy (telescope, observations, calculations, etc.)
8. Foucault's pendulum
9. Gas laws (Boyle's law, Charles law)

Other Experiments:

1. Expansion and thermal conductivity of metals
2. Viscous flow through tubes
3. Doppler effect
4. Etc.

Individual Research Projects

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: August 25, 2019

**Subject: Proposal for revision of PHYS 408 (Special Topics in Physics)**

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 course hours have been changed to be more realistic about actual instructional hours.
- The learning outcomes have been tweaked to emphasize the links with all of the program's learning outcomes, especially with those of scientific communication, employing their scientific skills and reviewing current literature.

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

- Communicating scientific knowledge is a big component of this course. Students have been exposed to presentations of one sort or another for many years. Now it is time for them to learn how to explain knowledge that they have researched, and to teach it to others.

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)?

- None

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

- This is topic-dependent. For example, this could be very relevant for climate physics, less so for quantum field theory.

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
    - No change
  - b. Class size limit
    - No change
  - c. Frequency of offering
    - Intermittent
  - d. Resources required (labs, equipment)
    - Dependent on topic. For example, 408D (Survey of Astronomy & Astrophysics) is mostly a lecture course, but 408C is Medical Physics, which may involve working at the BC Cancer Centre.
9. Are field trips required for this course? (Field trip requirements must be announced in the timetable.) How are the trips funded?
  - Depends on the topic. 408C may require students to carpool to the Abbotsford Regional Cancer Centre (ARCC), whereas 408D students may take an optional trip to one or both of the Dominion Astrophysical Observatories in a UFV van, partially funded by the department.
10. Estimate of the typical costs for this course, including textbooks and other materials:
  - Very dependent on topic, but \$150 is a reasonable estimate.



ORIGINAL COURSE IMPLEMENTATION DATE: September 2010  
 REVISED COURSE IMPLEMENTATION DATE: January 2021  
 COURSE TO BE REVIEWED (six years after UEC approval): October 2026  
 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> PHYS 408                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Course Full Title:</b> Special Topics in Physics<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 Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Calendar Description:</b><br>Covers a topic in physics which is not included within the current course offerings of the department, allowing students to study areas such as astrophysics, atmospheric physics, biophysics, climate physics, geophysics, medical physics, oceanography, quantum field theory, quantum chromodynamics, string theory, photonics, and quantum computing. Interested students should contact the Physics Department Head for more information.<br><br>Note: This course will be offered under different letter designations (e.g. C-Z) representing different topics. This course may be repeated for credit provided the letter designation differs. |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | 6 credits of PHYS 300 or above, and permission of the instructor. Certain programs of study may require more particular prerequisites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes <i>(If yes, topic will be recorded when offered.)</i><br><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 type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input checked="" type="checkbox"/> Yes, no limit<br><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><br><b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit<br><br><b>Maximum enrolment (for information only):</b> 24<br><b>Expected Frequency of Course Offerings:</b><br>Every 2-3 years as demand warrants <i>(Every semester, Fall only, annually, etc.)</i> |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Typical Structure of Instructional Hours</b> <table border="1"> <tr> <td>Lecture/seminar hours</td> <td>30</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>Student directed learning</td> <td></td> </tr> <tr> <td>Other contact hours: Presentations, seminars, student lectures</td> <td>15</td> </tr> <tr> <td><b>Total hours</b></td> <td><b>45</b></td> </tr> </table> Labs to be scheduled independent of lecture hours: <input type="checkbox"/> No <input type="checkbox"/> Yes                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Lecture/seminar hours | 30 | Tutorials/workshops |  | Supervised laboratory hours |  | Experiential (field experience, practicum, internship, etc.) |  | Student directed learning |  | Other contact hours: Presentations, seminars, student lectures | 15 | <b>Total hours</b> | <b>45</b> |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 30        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| Student directed learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| Other contact hours: Presentations, seminars, student lectures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 15        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>45</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Department / Program Head or Director:</b> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           | <b>Date approved:</b> October 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           | <b>Date approved:</b> November 1, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                       |    |                     |  |                             |  |                                                              |  |                           |  |                                                                |    |                    |           |

**Learning Outcomes:**

Upon successful completion of this course, in a branch of physics not currently covered by the department's undergraduate curriculum, students will be able to:

- Demonstrate advanced knowledge of the area, through discussions, seminars, written presentations and giving presentations or short lectures.
- Solve problems at a level typical of an upper-year physics course in the topic area.
- Identify key sources of information for self-guided study in the area in question i.e. books, journal articles, online resources, etc.
- Study independently.
- Deliver effective oral presentations on a course topic.
- Critique the presentations and lectures of other students.
- Prepare a major written document on their selected relevant topic after reviewing the current literature.

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

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

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

Directed reading, oral presentations and/or short student lectures, written project, lectures or labs, if appropriate.

**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 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------|----------------------|------|
| <b>For PHYS 408D, Astrophysics and PHYS 408E, Quantitative Survey of Astronomy:</b> |                                                             |                                     |                      |      |
| 1. Carroll B. & Ostlie D.                                                           | An Introduction to Modern Astrophysics, 2 <sup>nd</sup> ed. | <input checked="" type="checkbox"/> | Addison-Wesley       | 2006 |
| Other supplemental texts may include:                                               |                                                             |                                     |                      |      |
| 2. Liddle A.                                                                        | Introduction to Modern Cosmology, 3 <sup>rd</sup> ed.       | <input checked="" type="checkbox"/> | Wiley                | 2015 |
| 3. de Pater I. & Lissauer J.                                                        | Planetary Sciences, 2 <sup>nd</sup> ed.                     | <input checked="" type="checkbox"/> | Cambridge University | 2015 |
| 4. Jones M. ed. et al                                                               | Introduction to Galaxies & Cosmology                        | <input checked="" type="checkbox"/> | Cambridge University | 2015 |

The availability of texts and other materials will depend to a great extent on the chosen topic.

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

Online resources, such as the Los Alamos pre-print server or the SPIRES or arXiv database.

**Typical Evaluation Methods and Weighting**

|             |     |               |     |                  |     |                    |     |
|-------------|-----|---------------|-----|------------------|-----|--------------------|-----|
| Final exam: | 30% | Midterm exam: | 15% | Written Project: | 25% | Oral Presentations | 30% |
|-------------|-----|---------------|-----|------------------|-----|--------------------|-----|

**Details (if necessary):**

**For PHYS 408D, Astrophysics:**

|                                          |     |
|------------------------------------------|-----|
| 1 <sup>st</sup> lecture/talk by student: | 5%  |
| 2 <sup>nd</sup> lecture:                 | 10% |
| 3 <sup>rd</sup> lecture:                 | 10% |
| Participation:                           | 10% |
| Project (5000+ word paper):              | 20% |
| Midterm:                                 | 15% |
| Final exam:                              | 30% |

**For PHYS 408E, Quantitative Survey of Astronomy:**

|                |     |
|----------------|-----|
| Project:       | 20% |
| Assignments:   | 10% |
| Presentations: | 20% |
| Midterm exam:  | 15% |
| Final exam:    | 35% |

**Typical Course Content and Topics**

The main purpose of this class is to allow students to study a branch of physics in which the department currently does not offer a course, possibly in preparation for graduate studies. Examples of such areas may include astrophysics, atmospheric physics, biophysics, climate physics, geophysics, medical physics, oceanography, quantum field theory, quantum chromodynamics, string theory, photonics, and quantum computing. Specific course content will necessarily vary with the subject area, and each separate area will use a different letter attached to the course number.



***For PHYS 408D, Astrophysics:***

Week 1: Celestial sphere and review of mechanics and EM radiation, i.e. light  
Week 2: Instrumentation and observation  
Week 3: Observing stars and telescopes  
Week 4: Stars #2: measuring stars and the HR diagram  
Week 5: Stars #3: stellar structure; student lectures  
Week 6: Formation and evolution of stars  
Week 7: Variable stars and supernovae  
Week 8: Stellar remnants  
Week 9: GR and black holes; student lectures  
Week 10: Structure and evolution of galaxies and evidence for dark matter  
Week 11: Cosmology #1  
Week 12: Cosmology #2 and evidence for dark energy  
Week 13: Student lectures; optional field trip

***For PHYS 408E, Quantitative Survey of Astronomy:***

Week 1: Introduction and history: Stone Age to Arabic astronomy  
Week 2: History: Renaissance to the 20th century  
Week 3: Observing light: different scopes for all wavelengths  
Week 4: Gravitation, accretion disks, and making a solar system  
Week 5: Terrestrials, Jovians, left-overs, and exoplanets  
Week 6: Making a star  
Week 7: Life cycles of stars: on the main sequence  
Week 8: At the end: blow up, or burn out and fade away  
Week 9: Variable stars and their connection to the distance ladder  
Week 10: Pulsars, black holes, and other oddities in the stellar menagerie  
Week 11: Quasars, SMBHs and galactic evolution  
Week 12: Cosmology: the Big Bang and its aftermath  
Week 13: Presentations

**Memo for Course Changes**

To: UEC

From: Norm Taylor, Physics Department Head

Date: December 1, 2019

**Subject: Proposal for revision of PHYS 383 (Modern Physics Laboratory II) (changing to PHYS 482)**

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:

- 6-year review. Although many things have been updated, the course remains essentially the same.

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

- Communication outcomes are emphasized. Teamwork is not, as it is expected that only 2 or 3 students will be taking this course at any one time.

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?

- The department attempts to incorporate questions in physics relevant to the lives of indigenous students. In this course, students are required to come up with their own ideas for a suitable project. If it happens to have an indigenous component, excellent.

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
    - This has been changed for reasons of available lab space. There are only 10 workstations available, which will likely have to be shared with PHYS 382 students. (The plan is that usually the two courses will be run concurrently.)
  - 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:
  - Students may need to purchase parts for their project. The department will reimburse the student for reasonable costs.



**ORIGINAL COURSE IMPLEMENTATION DATE:** January 2007  
**REVISED COURSE IMPLEMENTATION DATE:** January 2021  
**COURSE TO BE REVIEWED** (six years after UEC approval): October 2026  
**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> PHYS 482                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Number of Credits:</b> 3 <a href="#">Course credit policy (105)</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Course Full Title:</b> Modern Physics Laboratory II<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 Applied and Technical Studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Department (or program if no department):</b> Physics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Calendar Description:</b><br><p>A continuation of PHYS 382 with different, more difficult projects and sets of experiments. Through in-depth laboratory work students expand their understanding of physics and continue to develop their laboratory, analysis, and communication skills.</p> <p>Note: Students who have done PHYS 382 must present a lab book or write-ups at the beginning of the course to show the experiments previously completed.</p> <p>Note: Students with credit for PHYS 383 cannot take this course for further credit.</p>                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Prerequisites (or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PHYS 382.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Pre/corequisites (if applicable, or NONE):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | One or more of PHYS 312, PHYS 321, PHYS 351, PHYS 402, PHYS 410, PHSY 455, PHYS 457, or PHYS 458 are strongly recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Antirequisite Courses</b> <i>(Cannot be taken for additional credit.)</i><br>Former course code/number: <b>PHYS 383</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><br><hr/> <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 Yes, repeat(s) <input type="checkbox"/> Yes, no limit<br><hr/> <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><hr/> <b>Grading System</b><br><input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit<br><hr/> <b>Maximum enrolment (for information only):</b> 24<br><b>Expected Frequency of Course Offerings:</b><br>Dependent on student demand <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>Lecture/seminar hours</td> <td></td> </tr> <tr> <td>Tutorials/workshops</td> <td></td> </tr> <tr> <td>Supervised laboratory hours</td> <td style="text-align: center;">45</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: Seminar/Presentation</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: right;"><b>Total hours</b></td> <td style="text-align: center;"><b>50</b></td> </tr> </table> <p>Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lecture/seminar hours |  | Tutorials/workshops |  | Supervised laboratory hours | 45 | Experiential (field experience, practicum, internship, etc.) |  | Supervised online activities |  | Other contact hours: Seminar/Presentation | 5 | <b>Total hours</b> | <b>50</b> |
| Lecture/seminar hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| Tutorials/workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| Supervised laboratory hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| Experiential (field experience, practicum, internship, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| Supervised online activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| Other contact hours: Seminar/Presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Total hours</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>50</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Department / Program Head or Director:</b> Norm Taylor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Date approved:</b> December 1, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Faculty Council approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Date approved:</b> January 10, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Dean/Associate VP:</b> John English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Date approved:</b> January 10, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Campus-Wide Consultation (CWC)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Date of posting:</b> February 21, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |
| <b>Undergraduate Education Committee (UEC) approval</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Date of meeting:</b> October 2, 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |  |                     |  |                             |    |                                                              |  |                              |  |                                           |   |                    |           |

**Learning Outcomes:**

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

1. Demonstrate that a theoretical claim is only as good as the supporting experimental results.
2. Develop experimental procedures to answer scientific questions.
3. Use several standard measuring devices found in most graduate physics labs.
4. Test whether the theory outlined in other courses can be experimentally confirmed.
5. Do some simple research projects.
6. Utilize advanced physics lab and presentation skills.
7. Further exhibit the technical communication and presentation skills used in industry and academic research, up to writing and presenting a paper that is essentially of publication quality.
8. Demonstrate familiarity with the theory, apparatus, procedure and results of several experiments from the list in the course content section (below).

**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.*)

1. The student may do a selection of experiments from a suggested list related to a specific course like PHYS410 (History of Physics), PHYS 402 (Optics), PHYS 321 (Advanced Mechanics), PHYS 312 (Intermediate Electromagnetism) or PHYS 351 (Quantum Mechanics) or they may choose from a list of suggested experiments, which will cover a wide cross section of the standard physics disciplines: mechanics, electricity, magnetism, optics, thermodynamics, solid state physics, etc.
2. The students will work individually, and will present lab reports and/or presentations for each of his or her experiments.

**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.                         |                                      |                          |           |      |
| 2.                         |                                      |                          |           |      |
| 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:        | %   | Field experience: | % | Portfolio:     | %    |
| Midterm exam:  | % | Project:            | 50% | Practicum:        | % | Other: Seminar | 20%  |
| Quizzes/tests: | % | Lab work: (reports) | 30% | Shop work:        | % | Total:         | 100% |

**Details (if necessary):**

1. The majority of marks earned (80%) in this course will be derived from the accumulated grades assigned to the individual laboratory reports on monthly and final projects.
2. The students will be required to give a seminar in which they will discuss the theory and present their results from their final project. This seminar will be worth 20% of the final grade assigned.

**Typical Course Content and Topics**

Optics Group:

1. Geometric optics (visible light or microwave optics)
2. Interference and diffraction (single and double slit)
3. Grating and/or prism Spectrometer
4. Michelson interferometer and the index of refraction of air
5. Fabry-Perot interferometer
6. Speed of light (two procedures – rotating mirror and coaxial cable)
7. Fresnel lenses
8. Zeeman effect
9. Thin film interference
10. Analysis of mirage optics demo

Advanced Mechanics Group:

**PHYS 383****University of the Fraser Valley Official Undergraduate Course Outline**

Page 3 of 3

1. Determine the numerical value for the Gravitational constant G. (Cavendish apparatus)
2. Measuring the acceleration due to gravity. (Kater's pendulum)
3. Mechanical equivalent of heat
4. Angular momentum
5. Gyroscopic precession and nutation
6. Measuring the rolling friction and air friction on an automobile as a function of its speed
7. Measuring the lift to drag ratio on various shaped bodies in a laminar airflow situation
8. Terminal velocity of a balloon and bubbles

Electromagnetism Group:

1. Plotting of magnetic fields (3D) – Helmholtz coils
2. Ferromagnetism (hysteresis)
3. Impedance of loudspeakers
4. Current balance
5. Coils and spinning magnets
6. Hall effect

20<sup>th</sup> Century Physics Group:

1. Black body radiation
2. Millikan oil drop experiment
3. Photoelectric effect
4. Michelson/Morley
5. Radiation – physics and probability
6. Franck-Hertz experiment
7. Electron spin resonance
8. Measurement of heat loss from various residences using an infrared camera

Historical Group:

1. Millikan oil drop experiment
2. Photoelectric effect
3. Michelson/Morley
4. Curvature of the Earth
5. Geometric parallax
6. Galilean experiments (rolling bodies, speed of light, etc.)
7. Galilean astronomy (telescope, observations, calculations, etc.)
8. Foucault's pendulum
9. Gas laws (Boyle's law, Charles law)

Other Experiments:

1. Expansion and thermal conductivity of metals
2. Viscous flow through tubes
3. Doppler effect

Individual Research Projects

# MEMO



**To:** Samantha Pattridge, UEC Chair  
**From:** Peter Geller, Vice Provost and Associate Vice President, Academic  
**Date:** September 22, 2020  
**Re:** In Camera Item October 2: QAPA Institution Report Draft Review

---

## **Summary**

UFV is currently engaged in its first Quality Assurance Process Audit (QAPA) as mandated by the Degree Quality Assessment Board (DQAB). The second step of the QAPA process is for UFV to deliver a self-study, called the institution report, to the DQAB Secretariat. The first part of this draft Institution Report, is complete and being submitted to the Senate, APPC, GSC and UEC for in camera discussion and feedback prior to its expected submission on October 16th. The structure of this report is wholly dictated by DQAB's QAPA Handbook. Section 6 of this report will be completed once UFV knows which sample programs are to be included in its QAPA.

## **Request**

That the UEC review the confidential draft Institution Report, sections 1 through 5, and provide feedback on its contents to Program Development and Quality Assurance.

**Note:** The confidential report is available in *S:\Groups\UEC\2020-10-02 PDQA*.



## **UEC ADMISSIONS SUBCOMMITTEE**

### **TERMS OF REFERENCE**

---

The UEC Admissions Subcommittee (UECAS) is a subcommittee of the Undergraduate Education Committee.

#### **Purpose**

The purpose of the subcommittee is to:

- Make decisions on special admissions requests and waivers of the language proficiency requirement for individual students.
- Advise UEC on issues related to admissions or language policy.

### **PROCEDURES**

---

#### **Process**

- Students requesting special admission are required to submit the special admission request form, provide transcripts of courses and grades related to their program admission requirements, and all other requirements specified on the form.
- Requests for variation of language entrance proficiency requirements must be made in writing, and must include evidence of test scores, transcripts of courses completed, and/or writing samples.
- Additional supporting documents may be requested by the Associate Registrar, Deputy Registrar, Admissions coordinator, or the committee.
- Decisions may be made in a formal meeting, or through an email vote. For email votes, members will have a minimum of five business days to respond.
- Decisions require a decision of the majority of the members in attendance at the meeting or who participate in an email vote (minimum 3 in favour), however, if two or more members express strong opposition to the decision, or the committee is unable to decide, the decision will be referred to UEC.
- UECAS may make recommendations to UEC for changes to admissions policy or language policy, or to the language proficiency standards.

#### **Reporting**

- The chair will retain a record of all decisions made.

### **COMPOSITION**

---

#### **Membership**

- Registrar or designate
- Two UEC members
- One International Education representative
- Two additional members, including at least one advisor

#### **Chair**

The UECAS will determine a chair each September.





## **UEC TRANSFER CREDIT SUBCOMMITTEE**

### **TERMS OF REFERENCE**

---

The UEC Transfer Credit Subcommittee (TCS) is a subcommittee of the Undergraduate Education Committee.

#### **Purpose**

The purpose of the subcommittee is to make decisions on transfer credit recommendations for specific courses or programs from institutions or programming not recognized under Transfer credit policy, and that do not qualify for exemption from UEC approval. These might include, but not be limited to, courses from private post-secondary institutions, education or training provided by a non-post-secondary institution or organization, and formal non-credit education from any source.

The committee will not evaluate prior learning obtained other than through formal courses or programs.

### **PROCEDURES**

---

#### **Process**

- The TCS will make decisions on specific transfer recommendations made or signed off by the department head for the most closely related discipline. If UFV does not offer a related discipline, the decisions should be approved by the dean or designate for the most closely related faculty.
- The TCS may request additional information or clarification from the person who evaluated the course or program.
- For precedent-setting decisions, the TCS will consider the degree of confidence in the consistency of standards at the sending institution.
- Transfer credit decisions may be made in a formal meeting, or through an email vote. For email votes, members will have a minimum of five business days to respond.
- Transfer credit decisions require a decision of the majority of the members in attendance at the meeting or who participate in an email vote (minimum 3 in favour), however, if two or more members express strong opposition to the decision, or the committee is unable to decide, the decision will be referred to UEC.
- The TCS will advise UEC on other transfer credit issues.

#### **Reporting**

- The chair will retain a record of all decisions made.

### **COMPOSITION**

---

#### **Membership**

- Registrar or designate
- Two UEC members
- At least two additional faculty (as diverse a representation as possible)
- One advisor

#### **Chair**

The TCS will determine a chair each September.



## **UEC POLICY SUBCOMMITTEE**

The UEC Policy Subcommittee is a subcommittee of the Undergraduate Education Committee.

### **PURPOSE**

---

The purpose of the subcommittee is to suggest new policies or revisions to policies that fall under Items 2 and 4 of the UEC Terms of Reference:

2. Advise Senate on policies, procedures, and criteria for the admission, evaluation, withdrawal, and promotion of undergraduate students.
4. Advise Senate on policies and procedures for review and approval of new and existing courses, programs, or curricular changes.

### **TERMS OF REFERENCE**

---

1. Review Senate Governance Committee requests for policy reviews.
2. Consult with relevant stakeholders where necessary to draft policy revisions.
3. Bring policy drafts to UEC for discussion, approval, or recommendation to Senate.
4. Identify policies in need of revision and propose policy reviews when appropriate.
5. Initiate policy reviews when directed by UEC to do so.

### **COMPOSITION**

---

#### **Membership**

- One UEC Chair
- Registrar (or designate)
- Two UEC Faculty members\*
- One UEC Advisor\*
- One IR representative
- One Dean
- One UEC at large member\*

\* Two-year term, renewable.

As needed, the committee will consult specific areas (International Education, Graduate Studies Committee, Continuing Education, specific disciplinary or Faculty areas not otherwise included in the committee, etc.)



## **UEC SCREENING SUBCOMMITTEE**

### **TERMS OF REFERENCE**

---

1. Review all course and program proposals for clarity, completeness, and adherence to procedures.
2. Confirm whether a change is minor or major.
3. Determine whether proposals are consistent with current academic policies.
4. Ensure all potentially impacted areas have been consulted.
5. Approve minor course changes for publication in the calendar. Approve all other proposals for submission to CWC.

### **PROCEDURES**

---

1. Review all course and program proposals according to the Terms of Reference.
2. Proposals requiring revision, additional information, or further consultation will be returned to the proponent (with a copy to Faculty Council) with a brief description of any required or suggested changes. Revised proposals are to be resubmitted to Faculty Council and then the UEC Screening Subcommittee for further review. Minor editorial changes will be made at the discretion of the UEC Screening Subcommittee and communicated to the proponent and Faculty Council.
3. After proposals have been approved by the UEC Screening Subcommittee, they will be posted for Campus-Wide Consultation.

Quorum will consist of four members. The committee will meet once a month or bi-weekly as required, at the discretion of the committee.

Implementation date: September 2014

### **COMPOSITION**

---

#### **Membership**

- One UEC Chair
- Registrar (or designate)
- UEC Assistant
- UEC Faculty member\*
- UEC Advisor\*\*
- CFO/SBC representative

\* Two-year term, renewable. Please note that in the first year of this subcommittee, the UEC Faculty member will have a one-year term to ensure staggered rotation of members.

\*\*Two-year term, renewable.



## Undergraduate Education Committee Terms of Reference

### RESPONSIBILITIES

1. Advise Senate on curricular matters related to the undergraduate educational programs of the university.
2. Advise Senate on policies, procedures, and criteria for the admission, evaluation, withdrawal, and promotion of undergraduate students.
3. Advise Senate on the criteria for awarding certificates, diplomas, and degrees to undergraduate students.
4. Advise Senate on policies and procedures for review and approval of new and existing courses, programs, or curricular changes.
5. Review the recommendations of faculty councils, approve the recommendations where mandated by Senate to do so, and inform Senate.
6. Advise the Academic Planning & Priorities Committee on proposals for new programs and program revisions that may occasion a change to the alignment of programs with institutional priorities.
7. Make recommendations to Senate on the resolution of disputes between departments and other academic divisions related to undergraduate course and program development and delivery.
8. Establish such subcommittees as needed to fulfill the committee's responsibilities.
9. Other duties as assigned by Senate.

### COMPOSITION

#### **Voting Members**

- Chair, a faculty member of the committee, nominated by the committee, and approved by Senate
- Vice-Chair, University Registrar (or designate)
- Nine faculty members, approved by Senate, at least two of whom shall be members of Senate\*
- Two Deans or associate deans approved by Senate
- University Librarian or designated Librarian<sup>†</sup> (ex officio)
- One Academic Advisor approved by Senate
- One staff member approved by Senate
- Two undergraduate students approved by Senate
- Associate Vice-President, Teaching and Learning (or designate) (ex officio)

#### **Ex Officio Non-Voting Members**

- Provost & Vice-President, Academic (or designate)
- Associate Vice-President, Research, Engagement, and Graduate Studies (or designate)
- Executive Director, UFV International (or designate)
- Senior Advisor on Indigenous Affairs
- Manager, Enrolment Planning

---

\* Normally, there shall be at least one member from each of the Faculties, selected to reflect the diversity of disciplines at the university.

<sup>†</sup> Normally, the designate shall be appointed for a minimum of a one-year term to ensure continuity.

- Associate Vice-President, Institutional Research and Integrated Planning (or designate)
- Associate Director, Program Development and Quality Assurance
- Director, Advising Centre

**Administrative Support**

- UEC Assistant/Calendar Editor, Office of the Registrar

**UEC MEETING DATES AND AGENDA DEADLINES 2020/21**

UEC meetings generally take place in week 4 of the UFV meeting schedule, from **10 am to 12 pm**. All agenda exhibits must be submitted to the UEC office by **12 noon** on the deadline date.

| <b>Meeting Dates</b>      | <b>Agenda Exhibit Deadline<br/>(12:00 pm)</b> |
|---------------------------|-----------------------------------------------|
| <b>October 2, 2020</b>    | September 23, 2020                            |
| <b>October 30, 2020</b>   | October 21, 2020                              |
| <b>November 27, 2020</b>  | November 18, 2020                             |
| <b>December 18, 2020*</b> | December 9, 2020                              |
| <b>January 29, 2021</b>   | January 20, 2021                              |
| <b>February 26, 2021</b>  | February 17, 2021                             |
| <b>March 26, 2021</b>     | March 17, 2021                                |
| <b>April 23, 2021</b>     | April 14, 2021                                |
| <b>May 21, 2021</b>       | May 12, 2021                                  |
| <b>June 18, 2021</b>      | June 9, 2021                                  |

\*Please note that this meeting will take place in week 3 of the UFV meeting schedule.

## UNDERGRADUATE EDUCATION COMMITTEE MEMBERSHIP 2020-21



| AREA REPRESENTED                                            | TERMS OF OFFICE          | MEMBER                                                      |
|-------------------------------------------------------------|--------------------------|-------------------------------------------------------------|
| <b>Voting Members</b>                                       |                          |                                                             |
| Vice-Chair, Registrar (or designate)                        | Ongoing                  | David Johnston                                              |
| <b>9 faculty members, at least 2 from Senate</b>            |                          |                                                             |
| Faculty (senator)                                           | 08-01-2018 to 07-31-2021 | Gilmour Jope, Faculty of Access and Continuing Education    |
| Faculty (senator)                                           | 08-01-2019 to 07-31-2022 | Sven van de Wetering, Faculty of Social Science             |
| Faculty (senator)                                           | 08-01-2019 to 07-31-2022 | Shelley Stefan, Faculty of Humanities                       |
| Faculty (senator)                                           | 08-01-2018 to 07-31-2021 | Amber Johnston, Faculty of Health Sciences                  |
| Faculty                                                     | 08-01-2020 to 07-31-2022 | Vacant                                                      |
| Faculty                                                     | 08-01-2019 to 07-31-2021 | Teresa Arroliga-Piper, Faculty of Humanities                |
| Faculty (senator)                                           | 08-01-2019 to 07-31-2022 | Jonathan Hughes, Faculty of Science                         |
| Faculty                                                     | 08-01-2019 to 07-31-2021 | Rashad Mammadov, Faculty of Humanities                      |
| Faculty                                                     | 08-01-2019 to 07-31-2021 | Samantha Pattridge, Faculty of Humanities                   |
| <b>2 deans or associate deans</b>                           |                          |                                                             |
| Dean                                                        | 08-01-2018 to 07-31-2021 | Sue Brigden, Dean, Faculty of Access & Continuing Education |
| Dean                                                        | 08-01-2018 to 07-31-2021 | Linda Pardy, Associate Dean of Students                     |
| <b>1 academic advisor</b>                                   | 08-01-2020 to 07-31-2022 | Bobby Jaswal, Student Services                              |
| <b>1 staff</b>                                              | 08-01-2020 to 07-31-2022 | Kelly Guiaya, School of Social Work & Human Services        |
| <b>2 undergraduate students</b>                             |                          |                                                             |
| Student                                                     | 08-01-2019 to 07-31-2021 | Neeraj Kumar                                                |
| Student                                                     | 08-01-2020 to 07-31-2021 | Tripat Sandhu (Senator)                                     |
| Associate VP, Teaching and Learning (or designate)          | Ongoing                  | Claire Hay (designate)                                      |
| University Librarian (or designated librarian) (ex officio) | Ongoing                  | Martin Warkentin (designate)                                |
| <b>Ex-Officio Non-Voting Members</b>                        |                          |                                                             |
| Provost & Vice-President, Academic (or designate)           | Ongoing                  | Peter Geller (designate to July 31, 2021)                   |
| AVP, Research, Engagement & Graduate Studies (or designate) | Ongoing                  | Kirsten Robertson (designate)                               |
| Executive Director, International Education                 | Ongoing                  | David McGuire                                               |
| Senior Advisor on Indigenous Affairs                        | Ongoing                  | Shirley Hardman                                             |
| Manager, Enrolment Planning                                 | Ongoing                  | Donna Alary                                                 |
| AVP, Institutional Research and Integrated Planning         | Ongoing                  | Vladimir Dvoracek                                           |
| Director, Advising Centre                                   | Ongoing                  | Elaine Newman                                               |
| Coordinator, Program Development & Quality Assurance        | Ongoing                  | Bruce Kirkley                                               |
| <b>Administrative Support</b>                               |                          |                                                             |
| UEC Assistant/Calendar Editor, Office of the Registrar      |                          | Amanda Grimson                                              |

**CURRENT MEMBERSHIP: 25 members - 17 voting members and 8 non-voting members**

Current as of September 9, 2020

**Quorum: Fifty percent (50%) of voting membership (not including vacancies)**