



ORIGINAL COURSE IMPLEMENTATION DATE: January 2011  
 REVISED COURSE IMPLEMENTATION DATE: September 2017  
 COURSE TO BE REVIEWED: (six years after UEC approval) September 2016  
 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> GEOG 458	<b>Number of Credits:</b> 4 <a href="#">Course credit policy (105)</a>																
<b>Course Full Title:</b> GIS Project <b>Course Short Title (if title exceeds 30 characters):</b>																	
<b>Faculty:</b> Faculty of Social Sciences	<b>Department (or program if no department):</b> Geography and the Environment																
<b>Calendar Description:</b>  In this capstone course of the GIS certificate program, a student will initiate, design, implement, and manage a GIS project in consultation with the instructor. The project can either be done independently or as a part of a cooperative project. Course emphasis is on consolidating and demonstrating the skills the student has acquired during the certificate program and on preparing the student for professional employment in GIS.																	
<b>Prerequisites (or NONE):</b>	A minimum of 23 credits of the GIS certificate completed, and permission of the instructor.																
<b>Corequisites (if applicable, or NONE):</b>	NONE																
<b>Pre/corequisites (if applicable, or NONE):</b>	NONE																
<b>Equivalent Courses (cannot be taken for additional credit)</b> Former course code/number: <i>N/A</i> Cross-listed with: <i>N/A</i> Equivalent course(s): <i>N/A</i> <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> Transfer credit already exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Transfer credit requested (OReg to submit to BCCAT): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form)  Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  To find out how this course transfers, see <a href="http://bctransferguide.ca">bctransferguide.ca</a> .																
<b>Total Hours: 90</b> <b>Typical structure of instructional hours:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture hours</td><td></td></tr> <tr><td>Seminars/tutorials/workshops</td><td></td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td style="text-align: center;">10</td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td style="text-align: center;">65</td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours: Student-directed learning</td><td style="text-align: center;">15</td></tr> <tr><td style="text-align: right;"><b>Total</b></td><td style="text-align: center;"><b>90</b></td></tr> </table>	Lecture hours		Seminars/tutorials/workshops		Laboratory hours		Field experience hours	10	Experiential (practicum, internship, etc.)	65	Online learning activities		Other contact hours: Student-directed learning	15	<b>Total</b>	<b>90</b>	<b>Special Topics</b> Will the course be offered with different topics? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit  <i>Note: The specific topic will be recorded when offered.</i>
Lecture hours																	
Seminars/tutorials/workshops																	
Laboratory hours																	
Field experience hours	10																
Experiential (practicum, internship, etc.)	65																
Online learning activities																	
Other contact hours: Student-directed learning	15																
<b>Total</b>	<b>90</b>																
<b>Department / Program Head or Director:</b> Steven Marsh																	
<b>Faculty Council approval</b>	<b>Date approved:</b> December 2016																
<b>Campus-Wide Consultation (CWC)</b>	<b>Date approved:</b> January 2017																
<b>Dean/Associate VP:</b> Dr. Jacqueline Nolte	<b>Date of posting:</b> March 17, 2017																
<b>Undergraduate Education Committee (UEC) approval</b>	<b>Date approved:</b> January 2017																
	<b>Date of meeting:</b> March 24, 2017																

**Learning Outcomes**

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

1. Demonstrate how to initiate and formulate a GIS-themed project
2. Demonstrate research, analysis and project management skills within a GIS-themed project
3. Employ enhanced GIS-related data collection, analysis, mapping, and modeling skills
4. Demonstrate critical knowledge of the use or misuse of GIS and spatial analysis in research and in application
5. Have increased opportunities for employment in a range of professions that utilize GIS.

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

Yes  No, PLAR cannot be awarded for this course because this course builds on a unique and original research project designed in consultation with a UFV Geography instructor, it is not feasible to award PLAR.

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

1. During the semester prior to the start of the course each student will consult with a faculty member to develop a detailed project proposal indicating the theme, scope, objectives and methods of a GIS project
2. Under the supervision of a faculty member, the student will use methods such as literature research, GIS data collection, analysis, modeling, and mapping to execute the GIS project from start to finish.
3. Students will document and present their project in a comprehensive report.
4. Students will present their project findings as an oral presentation, attended by student's faculty advisor, or as a poster at a conference.

**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)**

These will vary according to the chosen project.

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.)**

These will vary according to the nature of the research project and may include data collection equipment belonging to the Geography department (e.g. GPS units). Students may be required to acquire additional materials (e.g. film, presentation materials, etc.) at their own expense.

**Typical Evaluation Methods and Weighting**

Final exam:	%	Assignments:	%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	%	Lab work:	%	Field experience:	%	Shop work:	%
Project:	80%	Project Presentation:	20%	Other:	%	Total:	100%

**Details (if necessary):**

**Typical Course Content and Topics**

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

Example:

- Introduction to course
- Project management
- Project presentation to instructor