



COURSE IMPLEMENTATION DATE: January 2011
 COURSE REVISED IMPLEMENTATION DATE: _____
 COURSE TO BE REVIEWED: September 2014
(four years after UPAC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

GEOG 458	Geography	4
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
GIS Project		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

In this capstone course of the Certificate in GIS 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 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.

PREREQUISITES: A minimum of 23 credits of the Certificate in GIS completed, and permission of instructor.
 COREQUISITES:
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: N/A
- (b) Cross-listed with: N/A
- (c) Cannot take: N/A for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 75

STRUCTURE OF HOURS:

Lectures: _____ Hrs
 Seminar: _____ Hrs
 Laboratory: _____ Hrs
 Field experience: 10 Hrs
 Student directed learning: 50 Hrs
 Other (specify): 15 Hrs
Weekly meetings with supervisor

TRAINING DAY-BASED INSTRUCTION:

Length of course: _____
 Hours per day: _____

OTHER:

Maximum enrolment: N/A
 Expected frequency of course offerings: N/A
(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)

WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)

TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:

Yes No
 Yes No

Course designer(s): <u>Dr. Scott Shupe</u>	Date approved: <u>March 2010</u>
Department Head: <u>Dr. Ken Brealey</u>	Date of meeting: <u>March 26, 2010</u>
Supporting area consultation (Pre-UPAC)	Date approved: <u>May 21, 2010</u>
Curriculum Committee chair: <u>John Carroll</u>	Date approved: <u>May 21, 2010</u>
Dean/Associate VP: <u>Dr. Jacqueline Nolte</u>	Date of meeting: <u>September 3, 2010</u>
Undergraduate Program Advisory Committee (UPAC) approval	

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 mis-use of GIS and spatial analysis in research and in application,
5. have increased opportunities for employment in a range of professions that utilize GIS.

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

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.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

- Examination(s) Portfolio assessment Interview(s)
- Other (specify):

PLAR cannot be awarded for this course for the following reason(s): 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.

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

These will vary according to the chosen GIS project.

SUPPLIES / MATERIALS:

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.

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Each GIS project is tailored to the student's research interests. However, the final project evaluation will be based on the following components:

Project report	80%
Project presentation	20%

The final research project mark will be assessed primarily by the student's faculty advisor.

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

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