

COURSE IMPLEMENTATION DATE:	September 2006
COURSE REVISED IMPLEMENTATION DATE:	
COURSE TO BE REVIEWED:	November 2009
(Four years after UPAC final approval date)	(MONTH YEAR)

OFFICIAL 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 and the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT:	Geography	
GEOG 353	N/A	4
COURSE NAME/NUMBER	FORMER COURSE NUMBER	UCFV CREDITS
GIS Applications		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

The focus of the course is on the utility of Geographic Information Science in problem solving and decision-making in real world settings. Students will be expected to carry out a major term project in consultation with the instructor.

PREREQUISITES: **GEOG 253**
COREQUISITES:

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: _____ for further credit. (Course #)	_____
	(Department/Program)
	(Department/Program)

TOTAL HOURS PER TERM:	75	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:		LENGTH OF COURSE: _____
Lectures: 30 Hrs		HOURS PER DAY: _____
Seminar: _____ Hrs		
Laboratory: 45 Hrs		
Field Experience: _____ Hrs		
Student Directed Learning: _____ Hrs		
Other (Specify): _____ Hrs		

MAXIMUM ENROLLMENT:	25
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Once every year
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Dr. John Belec	Chairperson: _____ Raymond Welch (<i>Curriculum Committee</i>)
Department Head: _____ Dr. Sandy Vanderburgh	Dean: _____ Dr. Eric Davis
UPAC Approval in Principle Date: _____	UPAC Final Approval Date: November 25, 2005

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

This course will provide students with the opportunity to 1) further develop foundation GIS concepts introduced in Geog 253, 2) apply the tools of GIS to problems in Geography, 3) better understand the issues that influence the successful implementation of GIS in public and private settings, and 4) successfully complete a major GIS project.

METHODS:

The course will be offered in a lecture/lab format

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check:) Yes No

METHODS OF OBTAINING PLAR:

Portfolio assessment, exams or other methods as appropriate.

TEXTBOOKS, REFERENCES, MATERIALS:

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

William E. Huxhold and Allan G. Levinsohn, (1995) Managing Geographic Information Projects, Oxford.

Maribeth Price (2006) Mastering ArcGIS, McGraw-Hill

SUPPLIES / MATERIALS:

N/A

STUDENT EVALUATION:

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

Lab assignments and projects 40-60%

Exams 40-60%

COURSE CONTENT:

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

1. GIS refresher: key concepts in theory and practice.
2. The role of GIS in an organizational context: fundamentals of GIS management.
3. GIS as problem-solver: managements systems: techniques for managing GIS data.
4. Spatial database management systems: techniques for managing GIS data.
5. Acquiring, creating and editing GIS databases and examining errors.
6. Terrain mapping and analysis.
7. GIS design: applications in forestry and natural resource management.
8. GIS design: applications in urban planning and social analysis.
9. Putting it all together: designing custom applications.
10. Map design.
11. Contemporary issues in GIS.
12. GIS as an employment option.