COURSE INFORMATION FORM

DISCIPLINE
Geography

COURSE TITLE
Administrative Issues in GIS

CR.HR 3  LECT HR. 3  LAB HR.  CLIN/INTERN HR.  CLOCK HR.

CATALOG DESCRIPTION
Addresses issues unique to a GIS operation such as implementation issues, decision making procedures, strategies for success, legal issues, and involvement of management, NCGIA Guidelines, marketing within an organization, strategic planning, and industry outlook.

PREREQUISITES
GEOG 120

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Access and use NCGIA guidelines as a resource
2. Develop strategies to solve implementation issues
3. Analyze decision-making procedures
4. Develop strategies for success in the profession
5. Specify legal liability, ownership, and GIS information as evidence
6. Generalize industry outlook concerning employment, salary, opportunities, and education
7. Demonstrate strategic planning skills
GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Demonstrate the ability to learn and apply required GIS software to solve problems or analyze geospatial data.
2. Demonstrate critical thinking skills and recognize issues related to GIS applications.
3. Exhibit knowledge of professional ethics, industry practices and employability issues.
4. Acquire, modify, organize and apply geospatial date sets.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Exams or quizzes 1-7
2. Paper(s) 1-7
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. NCGIA Guidelines for Issues

II. Implementation issues
   A. Technology and workforce
   B. Workforce reorganization
   C. Implementation and follow-up planning

III. Decision making procedures
   A. Assignment of responsibilities
   B. Support staff
   C. Integration of information as a technical responsibility

IV. Involvement of management
   A. Marketing GIS within an organization
   B. Strategic planning
   C. Budgeting

V. Strategies for Success
   A. Continuing education
   B. Responsiveness to user needs
   C. Continued promotion
   D. Scope
   E. Pilot projects
   F. Dealing with vendors
   G. RFPs
   H. Grant writing

VI. Legal Issues
   A. Public and private information
   B. Value of information
   C. GIS information as evidence
D. Liability

VII. Industry outlooks
   A. Employment
   B. Opportunities in GIS
   C. Salary
   D. Online and private education