

Bemidji State University

GEOG 4275: Advanced Geographic Information Systems

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course will give students hands on experience working with advanced geodatabases, the basic automation and scripting of geospatial processes, web mapping, and server side application in GIS.
Prerequisites: GEOG 3231 and GEOG 3232.

B. COURSE EFFECTIVE DATES: 08/25/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Advanced GIS focuses on the application, customization, and administration of high-end GIS services including spatial databases, web-based platforms, and Global Positioning Systems (GPS).

D. LEARNING OUTCOMES (General)

1. The student will be able to develop and manage spatial databases;
The student will be able to develop automation tools for GIS;
The student will be able to create basic scripts to augment the GIS platform;
The student will be able to apply GIS strategies across an Internet web environment; and
The student will be to implement and manage GIS-server environments.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted