# Master Syllabus Department of Geography

**GEOG 625: Special Topics in GIS** 

## **Course Description**

(3 credits: A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term). Topics chosen from current research areas in applied GIS and from advanced topics in GIS data representation. Possible topics include advanced spatial models and object modeling in geodatabases. (3 credits: A total of 6 hours of credit may be earned, but no more than 3 in any one semester or term).

Prerequisite: GEOG 544, 545 or permission of the instructor.

## **Course Objectives**

The objectives of the course are to:

- Examine a content area of GIS in great depth
- Assess the current research in selected topic(s)
- Investigate selected topic within the greater realm of GIScience

#### **Course Rationale**

This course is designed to permit graduate students to study a sub discipline of GIS in which the instructor holds considerable knowledge and proficiency.

#### **Course Content and Format**

The course material will depend upon the topic and instructor. It is designed to function as a seminar and may include primary or secondary research within the chosen topic. Students are actively encouraged to participate in discussions, as well as deliver presentations on relevant topics or journal articles.

## **Textbook Suggestions**

Textbooks and other relevant course materials will depend on the topic and the instructor.

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## **Methods for Evaluating Student Performance:**

Student performance will be evaluated via some combination of the following methods:

- Examinations
- Homework exercises
- Participation in class discussions
- Group presentations or projects
- Presentations
- Term papers
- Contribution to primary or secondary research

### **Evaluation of the Course**

Student evaluation of the course, administered anonymously.