

METROPOLITAN STATE COLLEGE OF DENVER  
Office of Academic Affairs

**REGULAR COURSE SYLLABUS**

School of Letters, Arts & Sciences

Department: Earth and Atmospheric Science

Semester(s) Offered: Spring

Prefix & Course Number: GIS4880 Crosslisted With\*: N/A

Course Title: Current Topics in GIS: Variable Topics

Credit Hours: 1-3 (1-3+0)

Contact Hours: Lecture 15-45 Lab \_\_\_\_\_ Internship \_\_\_\_\_ Practicum \_\_\_\_\_

Schedule Type(s): L Grading Mode(s): L

Repeat\* (Variable topics): The course may be repeated if the topic changes

\*(Pertinent only if the course can be repeated; enter maximum number of hours that can be earned by taking this course.)

Restrictions (Variable Topics Course): Maximum of 3 hours per class and 6 hours total (if class is repeated with different topics)

Prerequisite(s): GIS 2250

Corequisite(s): N/A

Prerequisite(s) or Corequisite(s):

**Catalog Course Description:**

This course covers important topics in GIS and remote sensing, emphasizing new concepts and technological developments. The course content will vary, and the course may be repeated for credit as the course topic changes with a maximum of six credits earned for the course.

**Required Reading and Other Materials will be equivalent to (Title, Author, Publisher, Copyright Date):**

Readings from different books, manuals, scientific and trade journals

**Specific (Measurable) Student Behavioral Learning Objectives:**

Upon completion of this course the student should be able to:

APPROVED:

\_\_\_\_\_  
Department Chair/Institute Director

\_\_\_\_\_  
Date

\_\_\_\_\_  
Dean

\_\_\_\_\_  
Date

\_\_\_\_\_  
Associate VP, Academic Affairs

\_\_\_\_\_  
Date

\*If crosslisted, attach completed Course Crosslisting Agreement Form

Prefix and Course Number: GIS4880 \_\_\_\_\_

1. Evaluate relevant research and advancements in GIS and Remote Sensing concepts and techniques, with regard to scientific achievement, research quality, and documentation
2. Determine the spatial and temporal context for interpreting research conclusions.
3. Discuss the impact of new concepts and technologies on the GIS and Remote Sensing disciplines.

**Detailed Outline Of Course Content** (Major Topics and Subtopics) **or Outline Of Field Experience/Internship** (experience, responsibilities and supervision):

This class is a seminar on current GIS and remote sensing topics. Students will read relevant research papers and technological articles, and discuss their relevance to the discipline. The main topic will vary from semester to semester. Instructors and students will share the responsibility for finding relevant articles, which will be read, discussed, and evaluated by the entire class. Students will evaluate research papers and articles verbally and in writing. Each student will be responsible for leading one or more discussions during the semester.

**Evaluation Of Student Performance:**

Topic presentations  
Evaluations of papers  
Class Participation