

**Master Syllabus**  
***Department of Geography***

**GEOG 635: Special Topics in Remote Sensing**

**Course Description**

This course introduce students more topics and methods of remote sensing in their geographic research. Topics include, but not limited to, image mosaic, hyperspectral remote sensing, spectral analysis, and digital change detection. (3 credit hours).

Prerequisite: GEOG 343 or instructor permission

**Course Objectives**

The objective of the course is to introduce students additional methods and techniques in digital processing of remotely sensed images.

**Course Rationale**

This course is an addition for any geography students who are interested in special topic of geography using remote sensing technology in their thesis research. This is of particular important for those graduate students whose research is heavily remote sensing oriented.

**Course Content and Format**

Students will be presented materials with less lecture and more discussion, reading assignment, and case study projects.

**Textbook Suggestions**

No specific text required, instead with a reading packet of journal articles and book

**Methods for Evaluating Student Performance:**

Forms of evaluation might include reading assignments, lab exercises, presentation, and case study project.

**Evaluation of the Course**

Students use university (and departmental) online course evaluation forms to evaluate this course.