REMOTE SENSING APPLICATIONS (SUR 5385)

Instructor: Scot E. Smith, Professor, Geomatics Program, School of Forest Resources and Conservation

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Text: None. Reading assignments will be made.

Topics: Remote sensing systems, ground truthing procedures, air photo interpretation, satellite image processing and classification, radar imagery, applications of remotely sensed imagery.

Goal: The goal of this course is to provide students with an understanding of the applications of remote sensing and to provide an understanding of the state-of-the-art of remote sensing as practiced today.

Course Objective: Provide an understanding of the applications of remote sensing

TOPICS

- Forestry
- Terrain Analysis
- Wildlife
- Geomatics
- Land Use/Land Cover determination
- Non-destructive testing using thermal Infrared
- Non-destructive testing using ground penetrating radar
- Environmental Assessment


Course Grading Policy: The course grades will be determined by class participation and by a presentation to be made by each student.