

NR 6940 - Fall

Principles of Remote Sensing

Course Description: This course will introduce fundamental concepts and develop basic skills related to the use of remote sensing data. The primary goal of the course is for students to learn to independently conduct analyses of remotely sensed imagery. The focus of the course will be on the application of remote sensing analysis to a variety of problems in natural resources, including vegetation and habitat classification, soil mapping, and land use/land cover. The first part of the course will introduce the principals of remote sensing, and students will learn how to obtain and process imagery. The second part of the course will cover imagery enhancement and interpretation. Students will learn digital imagery processing using image analysis via ArcGIS software. Lab exercises will give students experience in identifying, extracting, and analyzing information from remotely sensed imagery.

**Earn three graduate credit hours*

**Semester based online course*

Instructor: Pat Terletzky



For information on how to register
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