

Course Schedule - Spring 2006

Electrical and Computer Engineering

468 **Optical Remote Sensing** Credit: 3 hours.

Introduction to Optical Remote Sensing. Optical sensors including single element and area arrays (CCDs). Systems including imager, spectrometer, interferometer, and lidar optical principles and light gathering power.

Electromagnetics of atomic and molecular emission and scattering with applications to the atmosphere as an example. Applications include ground and spacecraft platforms. Four laboratory sessions (4.5 hours each) will be arranged during the semester in lieu of four lectures. Same as AE 468 and ATMS 468. Prerequisite: PHYS 214, ECE 210, ECE 329, and a course in probability or statistics; or consent of instructor.

CRN	Type	Section	Time	Days	Location	Instructor
40643	lecture	A	11:30 AM - 12:50 PM	TR	room 169 Everitt Elec and Comp Engr Lab	Swenson, G
40643: 3 hours This course has 4 lab times that will be arranged.						