

# Course Schedule - Spring 2006

## Atmospheric Sciences

### 411 **Satellite Remote Sensing** Credit: 4 hours.

Review of the basic techniques used in satellite remote sensing of the Earth's surface and atmosphere, as well as other planets in our solar system. Topics include radiative transfer, scattering and absorption processes, the Sun, mathematics of inversion, atmospheric properties and constituents, surface properties, precipitation, radiation budgets, image classification, satellite technology and orbital configurations. Laboratory work on radiative transfer modeling and satellite data analysis emphasized. All students participate in a team project that has novel and practical applications. Prerequisite: MATH 385 or MATH 386.

CRN	Type	Section	Time	Days	Location	Instructor
30897	lecture-discussion	A	10:00 AM - 10:50 AM	MWF	room 109 Atmospheric Sciences Bldg	Di Girolamo, L