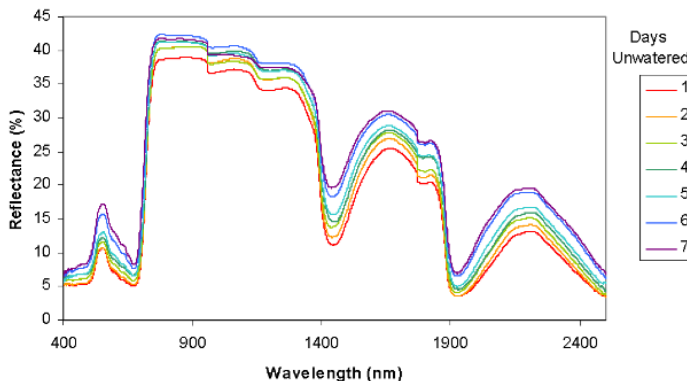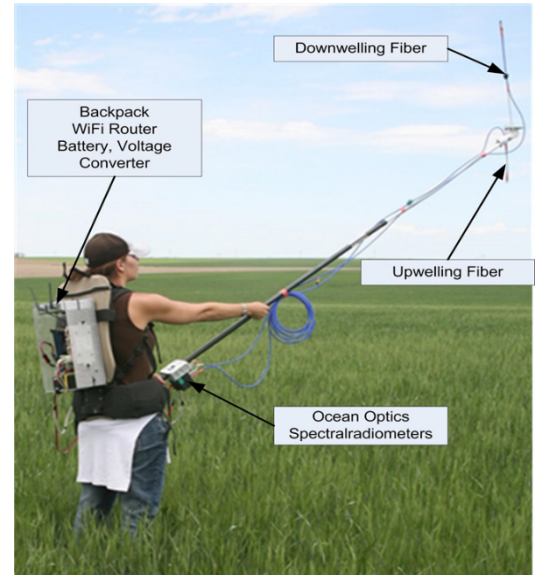# NRES 421/821 Field Techniques in Remote Sensing*

Fridays, May 20-July 8, 2022 (Summer 8-week session)

Instructors: Dr. John Gamon and Mr. Bryan Leavitt

The course introduces students to field remote sensing (proximal remote sensing). The focus is on field sensors and instrumentation, calibration and validation (e.g. ground truthing) of satellite and aircraft (including UAV) missions. Students will gain experience using scientific instruments, both in the laboratory and in the field, with a particular focus on spectroscopy for vegetation studies. We will consider systematic approaches to data collection using sensors with high spectral resolution, and subsequent data analyses. Additional emphasis is placed on research methods and procedures.

*prerequisite NRES 418/818 or permission of instructor.
Contact Dr. Gamon (jgamon@unl.edu) for course code