

# GEOG 491/598: Special Topics (3 Credits)

## Spectroscopy and Remote Sensing

Fall 2019, Wednesdays, 10:30-13:00



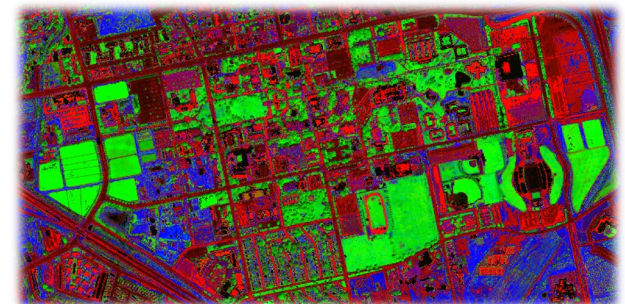
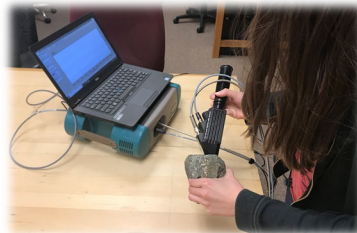
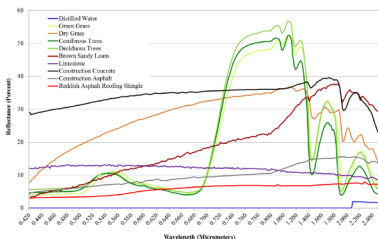
In this **hands-on lab and field** course, we will use NMSU's brand new spectroradiometer equipment to measure the reflectance properties of vegetation, soils, rocks, mosquitoes, artifacts, and other materials of interest to students. In addition, we will use the spectral data we collect to create **maps** from satellite imagery and develop **predictive models** of material characteristics.



**No prerequisites and open to all majors!** Of particular interest to students in anthropology, biology, computer science, geography, geology, horticulture, and soil science.



All students who successfully complete the course will receive a **spectroscopy certificate** that will allow them to borrow and independently operate the equipment.



Questions? – Email Dr. Buenemann: [elabuen@nmsu.edu](mailto:elabuen@nmsu.edu)