Engs 612: Remote Sensing Fundamentals

SCHOOL OF ENGINEERING

This course emphasizes basic remote sensing concepts and aerial photographic data collection and analysis. The Remote Sensing Fundamentals course is focused on understanding the basic principles on which remote sensing is based in general, and how aerial photographic data are acquired and analyzed in particular. Included is treatment of: electromagnetic radiation principles; energy interaction with the atmosphere and earth surface features; analog vs. digital imagery; ground truth considerations; films, analog and digital cameras; basic principles of photogrammetry; mapping from aerial photographs and digital orthophoto production; and an introduction to aerial photographic interpretation.

1 Credit

Prerequisites

- Student must be admitted to Certificate in Geographic Info Systems program.

Instruction Type(s)

- Indep Study: Independent Study for Engs 612
- Indep Study: Online Program for Engs 612

Subject Areas

- Engineering, Other

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.