

Engs 613: Introduction to Remote Sensing Systems

This course is an introduction to electro-optical, microwave, and lidar remote sensing systems. Introduction to Remote Sensing Systems is focused on understanding the basic principles, characteristics, and applications of electro-optical, microwave (radar), and lidar remote sensing systems. Included is treatment of: airborne multispectral, thermal, and hyperspectral sensing; earth resource satellites operating in the optical portion of the spectrum (including moderate resolution systems, high resolution systems, and the Earth Observing System); airborne and satellite radar systems, image characteristics, and basic interferometric radar principles; lidar system operation and sample applications.

Prerequisites

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

Instruction Type(s)

- Indep Study: Independent Study for Engs 613
- Indep Study: Online Program for Engs 613

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.

