

# Engs 613: Introduction to Remote Sensing Systems

## [School of Engineering](#)

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.

1 Credit

### 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](#)

