

## Physics ● Optics ● Graduate Course

### PHY530

#### *Optics and Optical Detectors*

#### 3 credits

Provides the student with a basic understanding of the scientific principles associated with optics and optical image formation, as well as image capture, processing and analysis. An end-to-end treatment of the imaging system is employed to illustrate the inter-relationships of the concepts introduced. The student will become familiar with systems analyses of simple imaging systems and image analysis methods

**Prerequisites: PHY309 or equivalent**



This course is eligible for the CRISP RET Scholarship program for educators. Application is available at [crisp.southernct.edu](http://crisp.southernct.edu)

Center for Research on Interface Structures and Phenomena, CRISP is an NSF funded Materials Research Science & Engineering Center, MRSEC

NSF DMR 1119826