

Physics 319

Instructor: Rob Kroeger x7921

Office Hours 11:00 A.M. - 11:50 Mon., Wed, Fri at Lewis 206

Location of my office Lewis 206

Textbook: Introduction to Optics, Pedrotti and Pedrotti (3rd edition)

Objective for the Course: To obtain a general working knowledge of geometrical and physical optics.

Breakdown of credit for the course:

30 % Lab
30 % Tests
25% Final Exam
15% Homework

Grading Scale:

90-100 % A
80-89 % B
65-79 % C
50-64 % D

Material Covered

Chapter 3: Geometrical Optics
Chapter 4: Wave Equations
Chapter 5: Superposition of Waves
Chapter 7: Interference of Light
Chapter 8: Optical Interferometry
Chapter 9: Coherence
Chapter 11: Fraunhofer Diffraction
Chapter 13: Fresnel Diffraction
Chapter 18: Matrix Methods in Paraxial Optics

The labs, course notes, and old exams can be found at:

<http://www.phy.olemiss.edu/~kroeger/OPTICS/>