Part II: Light and Optics

Syllabus and Homework Schedule: Changes to the homework and exam schedule will be announced in class and posted to the website.

Weeks 8-9: Electromagnetic Waves
Reading: Chapter 22, Sections 1-6
Homework 7 (due October 22): Chapter 22, Problems 7, 38, 42

No class on Friday, October 17 (Fall Break) and no WebAssign due on Saturday, October 18.

Weeks 9-10: Light and Geometric Optics
Reading: Chapter 23, Sections 1-10
Homework 8 (due October 29): Chapter 23, Problems 4, 6, 9, 15, 22, 24
Homework 9 (due November 5): Chapter 23, Problems 30, 31, 32, 49, 62, 69

Week 12: Wave nature of light
Reading: Chapter 24, Sections 1-5, 7, 10, 12
Homework 10 (due November 12): Chapter 24, Problems 8, 16, 26, 53, 58

Week 13: Optical Instruments
Reading: Chapter 25, Sections 2, 5, 7, 8, 10-12
Homework 11 (due November 19): Chapter 25, Problems 11, 16, 42, 56, 57

Mid-term Exam 2 (November 21): Chapters 21-25

No class on Friday, November 28 (Thanksgiving Break)

New homework and exam schedules will be announced and posted after the second mid-term exam.