

PH 145

Spring 2009

**Foundations of Electromagnetism and Optics
Laboratory Syllabus**

Week 1 (Feb. 4)	No lab
Week 2 (Feb. 9)	Laser Safety and Speed of Light (written report)
Week 3 (Feb. 16)	Electroscope (checkout)
Week 4 (Feb. 23)	Electric Field Plotting (written report)
Week 5 (Mar. 2)	No lab (First Hour Exam)
Week 6 (Mar. 9)	Resistance and Resistivity (written report)
Week 7 (Mar. 16)	Circuits (checkout)
Week 8 (Mar. 23)	No lab (Spring Break Week)
Week 9 (Mar. 30)	The Oscilloscope (checkout) (Second Hour Exam)
Week 10 (Apr. 6)	Earth's Magnetic Field (written report)
Week 11 (Apr. 13)	Faraday's Law (written report)
Week 12 (Apr. 20)	No lab (Third Hour Exam)
Week 13 (Apr. 27)	Thin Lenses and Geometric Optics (checkout)
Week 14 (May 4)	Diffraction and Interference (checkout)