

Syllabus (Revised on Sep. 27, 2007)

Phys 1610 Fall 2007

Instructor: Minseo Park

Office: 303 Allison Lab

Phone: (334) 844-4270

Email: park@physics.auburn.edu

Office Hours: Monday 9am-11am and Wednesday 9am-11am

(Other hours can be setup by appointment. Please setup the appointment *via* email. Please note that appointment is not made unless you confirm.)

Textbook: Physics for Scientists and Engineers, 6th Ed., by Serway and Jewett

Lab Manager: Dave Patrick; Email) patridm@auburn.edu, Tel) 844-2950, Office) 103 Parker Hall

Dates	Chapters
Aug. 16, 21, 23	23. Electric Fields
Aug. 28, 30, Sep. 4	24. Gauss's Law
Sep. 6, 11	25. Electric Potential
Sep. 13, 18, 20	26. Capacitance and Dielectrics
Sep. 25	1st Mid-Term Exam
Sep. 27, Oct 2	27. Current and Resistance
Oct. 4, 9	28. Direct Current Circuits
Oct. 11, 16	29. Magnetic Fields
Oct. 18, 23	30. Source of the Magnetic Field
Oct. 25	31. Faraday's Law
Oct. 30	32. Inductance
Nov. 1	2nd Mid-Term Exam
Nov. 6, 8	35. The Nature of Light and the Law of Geometric Optics
Nov. 13	37. Interference of Light Waves
Nov. 15, 27	38. Diffraction Patterns and Polarization
Nov. 29	19. Temperature
Dec. 4, 6	20. Heat and the First Law of Thermodynamics
Dec. 8	Final Examination (7:00 pm – 9:30 pm)

Grading Policy

2 Mid-Term Exams: 50% (25% each)

Final Examination (comprehensive): 30%

Laboratory: 10%

Recitation: 10%

Grade scale: A: 90-100 B: 80-89 C: 70-79 D: 60-69 F: 0-59

Test Policy

Homework

Homework problems will be given during the class.

Mid-Term Exam

8-10 multiple choice questions, five choices per question, will be provided. Please submit the scratch work for possible partial credit after the test is returned. Please bring only pencil and calculator to tests. Formulas, constants, *etc.*, will be provided, and you must use scratch paper provided with the test.

Final Examination

12-15 multiple choice questions, five choices per question, will be provided. Scratch work policy applies. Note that the final examination is comprehensive. Please bring only pencil and calculator to the test. Formulas, constants, *etc.*, will be provided, and you must use scratch paper provided with the test.

Make-Up Test

Make-up test will be given to only those who can justify their absence for a test. Those who do not take a test without any justifiable reason will receive 0 score.