

PHYSICS 1304/1404 SCHEDULE, SPRING 2005

Date	Topic	Read to:	Problems:
Jan 13 Th	Introduction, Electric Charge	Ch 23.4	---
Jan 18 T	Electric Field	Ch 23.7	Ch 23: 7,8,9,14,15,20
Jan 20 Th	Gauss's Law	Ch 24	Ch 23: 30,35,42
Jan 25 T	Electric Potential,	Ch 25	Ch 24: 1,10,19,23,39
Jan 27 Th	Capacitance, Quiz #1	Ch 26	Ch 25: 3,6,18,22,37,48
Feb 1 T	Current and Resistance	Ch 27.2	Ch 26: 1,2,16,17,21,44
Feb 3 Th	Ohm's Law,	Ch 27.6	Ch 27: 6,13,14,17,21,22,24
Feb 8 T	Circuits, Quiz #2	Ch 28.2	Ch 27: 28,34,35
Feb 10 Th	Direct Currents	Ch 28.4	Ch 28: 1,2,6,7,11,15,21,25,26
Feb 15 T	Applications	Ch 28.6	Ch 28: 29,30,31,33,36,48
Feb 17 Th	Test #1	---	---
Feb 22 T	Magnetic Fields	Ch 29	---
Feb 24 Th	Magnetic Field Sources	Ch 30	Ch 29: 1,3,8,11,13,21
Mar 1 T	Faraday's Law, Quiz #3	Ch 31.5	Ch 30: 1,7,16,23
Mar 3 Th	Maxwell's Equations	Ch 31.7	Ch 31: 1,3,5,10,13,20,36
Mar 8 T	Inductance	Ch 32.3	Ch 31: 44,45
Mar 10 Th	Oscillations, Quiz #4	Ch 32.6	Ch 32: 1,3,12,14,15,29,31
Mar 15 T	Spring Break	---	---
Mar 17 Th	Spring Break	---	---
Mar 22 T	Alternating Currents	Ch 33.7	Ch 32: 46,48,50,51,52
Mar 24 Th	Transformers	Ch 33.9	Ch 33: 2,6,8,14,44
Mar 29 T	Test #2	---	---
Mar 31 Th	Waves	---	---
Apr 5 T	Electromagnetic Waves	Ch 34	---
Apr 7 Th	Optics, Quiz #5	Ch 35	Ch 34: 2,3,11,26
Apr 12 T	Geometric Optics	Ch 36	Ch 35: 8,10,12,13,21,25,36
Apr 14 T	Interference	Ch 37	Ch 36: 3,7,11,28,30,33
Apr 19 T	Diffraction, Polarization	Ch 38	Ch 37: 1,2,7,32,34
Apr 21 Th	Relativity, Quiz #6	Ch 39	Ch 38: 4,11,20
Apr 26 T	Quantum Mechanics	Ch 40	Ch 39: 5,6,7,10
Apr 28 Th	Subatomic Physics, Quiz #7	Ch 44,46	Ch 40: 6,35
May 6 F	Final Exam 3pm-6pm	---	---