

# University Physics II --- Spring 2004

## Class Schedule and Reading Assignments

Date	Topics	Reading Assignment	Warm-Up Quiz	Homework
13 Jan, Tues	Intro to Class, Intro to Electromagnetism, Intro to Atomic Picture	23.1-23.2	WU01	No
16 Jan, Fri	Coulomb's Law, Electric Field	23.3-23.5	WU02	No
20 Jan, Tues	More Electric Field, Fields Lines, Electric Dipoles	23.6-23.7	WU03	No
23 Jan, Fri	Gauss's Law, Electric Field in Conductors	24 (all)	WU04	HW1
27 Jan, Tues	Electric Potential	25.1-25.5	WU05	No
28 or 29 Jan	Lab 1: The Electric Field and Electric Potential			
30 Jan, Fri	More Electric Potential, Capacitors	25.5-25.8 26.1-26.3	WU06	HW2
03 Feb, Tues	Electrostatic Potential Energy, Dielectrics, More Capacitors	26.4-26.7	WU07	No
04 or 05 Feb	Lab 2: Capacitance			
06 Feb, Fri	Current, Resistance	27.1-27.5	WU08	HW3
10 Feb, Tues	Power, Simple Resistive Circuits	27.6 28.1-28.2	WU09	No
11 or 12 Feb	Lab 3: The Galvanometer			
13 Feb, Fri	Review and Catch-Up	23-28.2	No	HW4
17 Feb, Tues	Test 1	23-28.2	No	No
20 Feb, Fri	Kirchhoff's Rules, RC Circuits	28.3-28.6	WU10	No
24 Feb, Tues	Magnetic Fields, Magnetic Forces	29.1-29.4	WU11	No
25 or 26 Feb	Lab 4: Kirchhoff's Rules			
27 Feb, Fri	Applications of Magnetic Forces, Sources of Magnetic Fields	29.5 30.1-30.4	WU12	HW5
02 Mar, Tues	Ampere's Law and Magnetism in Matter	30.5-30.9	WU13	No
03 or 04 Mar	Lab 5: Direct Current Circuits			
05 Mar, Fri	Faraday's Law	31.1-31.5	WU14	HW6
16 Mar, Tues	More Faraday's Law, Inductance	31.6-7 32.1-32.4	WU15	No
17 or 18 Mar	Lab 6: The Magnetic Field of a Straight Wire			
19 Mar, Fri	RLC Circuits	32.5-32.6 33.1-33.4	WU16	HW7
23 Mar, Tues	Review and Catch-Up	23-33	No	No
24 or 25 Mar	Lab 7: A.C. Circuits			
26 Mar, Fri	Test 2	23-33	No	No

30 Mar, Tues	Maxwell's Laws, Electromagnetic Waves	34	WU17	No
31 Mar or 01 Apr	Lab 8: Refraction and Polarization			
02 Apr, Fri	Light, Geometric Optics	35	WU18	No
06 Apr, Tues	Lenses, Optical Instruments	35-36	WU19	No
07 or 08 Apr	Lab 9: Thin Lenses			
09 Apr, Fri	Interference	36-37	WU20	HW8
13 Apr, Tues	Diffraction	37-38	WU21	No
14 or 15 Apr	Lab 10: Diffraction and Interference			
16 Apr, Fri	Special Relativity	39	WU22	HW9
20 Apr, Tues	Relativity	39	WU23	No
21 or 22 Apr	Make-up Lab			
23 Apr, Fri	Review and Catch-Up	23-39	No	HW10
30 Apr, Fri	Final, 2:10 – 4:40 PM	23-39	No	No