

Class Schedule for Dr. Russell's PHYS-224 Fall 2009

Week	Day	Reading	Topic	MP Due
1	M		Review of Mechanics and Course Overview	
	T	26.1-2	Models of Electric Charge	
	W	26.3-4	Insulators & Conductors and Coulomb's Law	
	F	26.5-6	Charges, Forces and Fields	Ch 26 Pt. 1
2	M	27.1-2	Electric Fields of Point Charges	Ch 26 Pt. 2
	T	27.3	Electric Fields of Continuous Distributions	
	W	27.4-5	Electric Fields of Rings, Planes and Spheres	Ch 27 Pt. 1
	F	27.6-7	Motion of Charged Objects in an E-field	Ch 27 Pt. 2
3	M	28.1-3	Electric Flux	
	T	28.4-5	Gauss' Law and its Applications	Ch 27 Pt. 3
	W	28.5-6	Gauss' Law and Conductors	
	F		Review for Test #1	Ch 28 Pt. 1
4	M		Test #1 (Chapters 26, 27, 28)	Ch 28 Pt. 2
	T	29.1-2,4	Electrical Potential Energy and Point Charges	
	W	29.6-7	Electrical Potential of Charge Distributions	
	F	30.1-2	Electric Potential and Electric Fields	Ch 29 Pt. 1
5	M	30.3-4	Conductors in Equilibrium & Sources of Potential	
	T	30.5	Capacitance and Combinations of Capacitors	Ch 29 Pt. 2
	W	30.6-7	Energy Storage and Dielectrics	
	F	31.1-2	Electron Current and Current Density	Ch 30 Pt. 1
6	M	31.3-5	Resistance and Ohm's Law	Ch 30 Pt. 2
	T	32.1-3	Kirchhoff's Laws and Basic Circuits	
	W	32.4-7	Resistor Combinations (Light Bulb Circuits)	Ch 31
	F	32.8	Review for Test #2	
7	M		Test #2 (Chapters 29, 30, 31, 32)	Ch 32
	T	33.1-2	Magnetism and Magnetic Fields	
	W	33.3-4	Sources of Magnetic Fields	
	F	33.4-5	Magnetic Fields of Currents & Magnetic Dipoles	Ch 33 Pt. 1
8	M	33.6	Ampere's Law	
	T	33.7	Magnetic Force on a Moving Charge	
	W	33.8-9	Forces and Torques on Wires and Loops	Ch 33 Pt. 2
	F		No Class Thanksgiving Day Holiday)	
9	M	34.1-2	Induced Currents & Motional emf	
	T	34.3-5	Magnetic Flux, Lenz's Law, Faraday's Law	Ch 33 Pt. 3
	W	34.7,8	Inductors and other Applications	
	F		Review for Test #3	
10	M		Test #3 (Chapters 33, 34)	Ch 34 Pt. 1
	T	32.9	RC Circuits	
	W	34.9	LC Circuits	
	F	34.6, 34.4	Maxwell's Equations for E & M	Ch 34 Pt. 2
11	T		Review for Final Exam	
	Th-S		Common, Comprehensive Final Exam	