

## Class Schedule for Dr. Russell's PHYS-224 Summer 2007

Week	Day	Reading	Topic	Laboratory
1	M		Course Overview and Force Concept Inventory	Graphical and Error Analysis
	T	25.1-2	Models of Electric Charge	
	W	25.3-4	Insulators & Conductors and Coulomb's Law	
	F	25.5-6	Charges, Forces and Fields	
2	M	26.1-2	Electric Fields of Point Charges	225A Coulomb's Law
	T	26.3	Electric Fields of Continuous Distributions	
	W	26.4-5	Electric Fields of Rings, Planes and Spheres	
	F	26.6-7	Motion of Charged Objects in an E-field	
3	M	27.1-3	Electric Flux	225C Electric Field and Gauss' Law
	T	27.4-5	Gauss' Law and its Applications	
	W	27.5-6	Gauss' Law and Conductors	
	F		Review for Test #1	
4	M		<b>Test #1 (Chapters 25, 26, 27)</b>	225F Resistance and Resistivity
	T	28.1-2	Current & Conductivity	
	W	28.3-5	Current Density and Intro to Potential Energy	
	F	29.2,4	Electrical Potential Energy and Point Charges	
5	M	29.6-7	Electrical Potential of Charge Distributions	225D Electric Field and Potential
	T	30.1-2	Electric Potential and Electric Fields	
	W	30.3-4	Conductors in Equilibrium & Sources of Potential	
	F	30.6-7	Capacitance and Combinations of Capacitors	
6	M	30.5, 31.1-2	Electric Potential and Current	225E Capacitors
	T	31.3-5	Kirchhoff's Laws and Circuits	
	W	31.7-8	Resistor Combinations (Light Bulb Circuits)	
	F	31.9	Review for Test #2	
7	M		<b>Test #2 (Chapters 28, 29, 30, 31)</b>	225G Resistor Combinations
	T	32.1-2	Magnetism and Magnetic Fields	
	W	32.3-4	Sources of Magnetic Fields	
	F		<b>No Class (Memorial Day Holiday)</b>	
8	M		<b>No Class (Memorial Day Holiday)</b>	225H Helmholtz Coils
	T	32.4-5	Magnetic Fields of Currents & Magnetic Dipoles	
	W	32.6	Ampere's Law	
	F	32.7	Magnetic Force on a Moving Charge	
9	M	32.8-9	Forces and Torques on Wires and Loops	225I Current Balance
	T	33.1-2	Induced Currents & Motional emf	
	W	33.3-5	Magnetic Flux, Lenz's Law, Faraday's Law	
	F	33.8	Inductance and Inductors	
10	M		Review for Test #3	Lab Exam
	T		<b>Test #3 (Chapters 32, 33)</b>	
	W	31.10	RC Circuits	
	F	33.9	LC Circuits	
11	M	33.6, 34.4	Maxwell's Equations for E & M	
	F		Review for Final Exam Common, Comprehensive Final Exam	