Physics 5C Electricity & Magnetism Spring 2008

Lecture and Exam Schedule for Physics 5C

Date	Topics	Textbook readings	Laboratory
Mon Mar 31	Charge, Coulomb's Law	21-1 thru 21-4	(no lab)
Wed Apr 2	Electric Field	21-5 thru 21-8	
Fri Apr 4	Motion of Charges	21-9 thru 21-13	
Mon Apr 7	Gauss's Law	22-1 thru 22-4	Electrostatic
Wed Apr 9	Electric Potential	23-1 thru 23-4	Forces
Fri Apr 11	Electric Potential	23-5 thru 23-9	
Mon Apr 14	Capacitance	24-1 thru 24-3	Surface Charge,
Wed Apr 16	Dielectrics	24-4 thru 24-6	Potentials,
Fri Apr 18	Electric Currents	25-1 thru 25-5	Capacitance
Mon Apr 21	Electric Currents	25-6 thru 25-10	DC Circuits
Wed Apr 23	MIDTERM EXAM 1 (in-class exam)		
Fri Apr 25	DC Circuits	26-1 thru 26-3	
Mon Apr 28	DC Circuits	26-4 thru 26-6	Static Magnetic
Wed Apr 30	Magnetism	27-1 thru 27-4	Fields
Fri May 2	Magnetism	27-5 thru 27-9	
Mon May 5	Sources of Magnetic Field	28-1 thru 28-4	e/m Ratio
Wed May 7	Sources of Magnetic Field	28-5 thru 28-7	
Fri May 9	Sources of Magnetic Field	28-8 thru 28-10	
Mon May 12	Electromagnetic Induction	29-1 thru 29-4	Magnetic
Wed May 14	Faraday's Law	29-5 thru 29-8	Induction
Fri May 16	Inductance	30-1 thru 30-4	
Mon May 19	MIDTERM EXAM 2 (in-class exam)		Transient
Wed May 21	Electromagnetic Oscillations	30-5 thru 30-7	Circuit
Fri May 23	AC Circuits	30-8 thru 30-11	Analysis
Mon May 26	MEMORIAL DAY (no class)		AC Circuit
Wed May 28	Maxwell's Equations	31-1 thru 31-2	Analysis
Fri May 30	Maxwell's Equations	31-3 thru 31-5	
Mon June 2	Electromagnetic Waves	31-5 thru 31-7	(no lab)
Wed June 4	Electromagnetic Radiation	31-8 thru 31-10	
Fri June 6	REVIEW		

Thurs June 12 FINAL EXAM 12 noon – 3 pm

All textbook readings are from *Physics for Scientists & Engineers with Modern Physics*, 4th edition, by Douglas C. Giancoli. Lectures and exams are in Thimann Lecture 3.