

Physics 133 Schedule -- Winter Quarter 2009

Text: Knight, **PHYSICS for Scientists and Engineers** 1st Edition (Addison-Wesley, 2004)
 Knight, **Student Workbook** to accompany the text

Week	Dates	Ch #.sections Topics/reading	Problems	Laboratory
1	Jan 5 - 9	Ch 25.1-6 Electric charges/force	25: 2, 6*, 14, 20, 25, 33, 40, 50, 62, 68	Lab #1: Charges and Forces
2	Jan 12 - 16	Ch 26.1-7 Electric field	26: 4, 9, 14, 20, 24, 30, 44, 48, 52	Lab #2: Electric Field
3	Jan 20 – 23: Mon Jan 19 MLK Day	Ch 27.1-6 Gauss' law	27: 4, 6, 10, 12, 16, 18, 30, 33, 38, 50	Lab #3: Resistance vs. Temperature
4	Jan 26 - 30	Ch 28.1-5 Current/conductivity	28: 3, 7, 11, 12, 26, 30, 33, 42, 52	Lab #4: Electric Potential and Field
5	Feb 2 - 6	Ch 29.1-7 Electric potential	29: 2, 6, 10, 15, 20, 30, 40, 44, 70*	Lab #5: Circuits 1
6	Feb 9 - 13 13 th = Monday Sch	Ch 30.1-7 Potential and field	30: 4, 8, 11, 19, 21, 28, 33, 36, 52, 56, 64	Lab #6: Circuits 2
7	Feb 17 – 20: Mon Feb 16 Pres' Day	Ch 31.1-8 Fundamentals of circuits		Lab #7: Power and Impedance
8	Feb 23 - 27	Ch 31.9-10 RC circuits Ch 32.1-3 Magnetic field	31: 4, 10, 18, 24, 30, 32, 44, 52, 62, 68 38, 39, 73, 74, 77*	Lab #8: Capacitance
9	March 2 - 6	Ch 32.4-10 Magnetic field	32: 1*, 2*, 6, 8, 14, 16, 22, 23, 30, 36, 39, 42, 52, 58, 62, 68, 83	Lab #9: Current Balance
10	March 9 - 13	Ch 33.1-7 Electromagnetic induction	33: 2, 3, 4, 8, 11, 26, 28, 38, 48, 58	Lab #10: Faraday's Law
11	March 16-20	Final exams	Review all of the above!	

* These problems are not online, but you should still do them.

Last day to drop class	January 14	
Last day to petition to withdraw from class	February 24	
Note Monday Schedule on Friday Feb 13		
Final Exam	March 16 @ 1pm	