

## TENTATIVE COURSE OUTLINE

PHYSICS 2B  
I. Schuller

January 6, 2003  
Winter Quarter 2003

LECTURE	TOPIC OF LECTURE	QUIZ TOPIC (Date)	ASSIGNED PROBLEMS
1	Electric Charge Coulomb's Law		Ch. 23 – 11,19,22,24
2	Electric Field	Ch 23 (January 10)	Ch. 23 – 30,39,46,48,50,68,78
3-6	Gauss' Law, Ch 24	Ch 24 (January 17)	Ch 24 – 9,10,26,31,36,41,54,63
7-9	Electric Potential, Ch 25	Ch 25 (January 24)	Ch 25 – 8,28,35,39,50
10-12	Capacitors, Ch 26 Current, Ch 27	Ch 26, 27 (January 31)	Ch 26 – 15,36,37,47,54 Ch 27 – 10,36,39,50,71
13-15	Circuits, Ch 28	Ch 28 (February 7)	Ch 28 – 22,26,29,31,43,55
16-18	Magnetic Field, Ch 29 Sources of Magnetic Field (I), Ch 30	Ch 29 (February 14)	Ch 29 – 13,22,27,36,38,53 Ch 30 – 10,15,17,24
19-21	Sources of Magnetic Field (II), Ch 30 Induction (I), Ch 31	Ch 30 (February 21)	Ch 30 – 36,40,45,57 Ch 31 – 14,17,21,25,27
22-24	Induction (II), Ch 31 Inductors, Ch 32	Ch 31 (February 28)	Ch 31 – 29,32,34,35 Ch 32 – 22,36,55,66
25-27	Alternating Currents, Ch 33	(March 7)	Ch 33 – 18,30,39,45,60
28-30	Maxwell's Equations, Ch 34 Electromagnetic Waves	<u>No Quiz</u>	

FINAL EXAM (see pg.2)