

Phys 116b-Hutson-2010: Schedule of Topics and Reading Assignments

REVISED 9/9/2010

	Date	Topic	Reading
Week 1	Thur 26-Aug	Introduction 21. Electric charge and electric field	
Week 2	Tue 31-Aug	21. Electric charge and electric field	21.1-7
	Thur 2-Sep	22. Gauss's Law	22.1-5
Week 3	Tue 7-Sep	23. Electric Potential	23.1-3
	Thur 9-Sep	23. Electric Potential	23.4-5
Week 4	Tue 14-Sep	Finish up Potential and relation to Electric Field	
	Thur 16-Sep	25. Current, Resistance and EM Force	25.1-6
Week 5	Tue 21-Sep	26. Direct Current Circuits (except 26.4)	26.1-3,5
	Thur 23-Sep	24. Capacitance and Dielectrics 26.4 RC Circuits	24.1-6, 26.4
Week 6	Tue 28-Sep	EXAM #1 (Ch. 21-26)	
	Thur 30-Sep	27. Magnetic Field and Magnetic Forces	27.1-9
Week 7	Tue 5-Oct	28. Sources of Magnetic Field	28.1-8
	Thur 7-Oct	29. Electromagnetic Induction	29.1-4
Week 8	Tue 12-Oct	29. Electromagnetic Induction	29.5-8
	Thur 14-Oct	FALL BREAK	
Week 9	Tue 19-Oct	30. Inductance	30.1-6
	Thur 21-Oct	EXAM #2 (Ch. 27-31)	
Week 10	Tue 26-Oct	32. Electromagnetic Waves	32.1-5
	Thur 28-Oct	33. Nature and Propagation of Light	33.1-7
Week 11	Tue 2-Nov	34. Geometric Optics and Optical Instruments	34.1-4
	Thur 4-Nov	34. Geometric Optics and Optical Instruments	34.5-8
Week 12	Tue 9-Nov	35. Interference	35.1-5
	Thur 11-Nov	36. Diffraction	36.1-5
Week 13	Tue 16-Nov	36. Diffraction	36.6-8
	Thur 18-Nov	EXAM #3 (Ch. 32-36)	
	Tue 23-Nov	THANKSGIVING	
	Thur 25-Nov	THANKSGIVING	
Week 14	Tue 30-Nov	38. Photons, Electrons and Atoms	38.1-9
	Thur 2-Dec	39. Wave Nature of Particles	39.1-5
Week 15	Tue 7-Dec	37. Relativity	37.1-4
	Thur 9-Dec	37. Relativity	37.5-9
	Sat 18-Dec	FINAL EXAM (cumulative w/ emphasis on Ch. 37-39)	