

Physics 122 Winter 2009				12/30/08 4:56 PM	
week	date	lecture topic	text reading	tutorial	lab
1	5-Jan	Fluids	13-1 to 13-4	Pressure	No lab 1st week
	7-Jan	Temperature & Kinetic Theory	17-1 to 17-4		
	9-Jan	Phase Changes & Calorimetry	18-1 to 18-2		
2	12-Jan	First Law & Work By/On a Gas	18-3 to 18-5	Ideal Gas Law	Buoyancy
	14-Jan	Gas Cycles & Heat Capacities	18-6, 18-8 to 18-9		
	16-Jan	Heat Engines & Refrigerators	19-1 to 19-4		
3	19-Jan	HOLIDAY		1st Law of Thermo	Ideal Gas Law
	21-Jan	2nd Law & Entropy	19-5 to 19-7		
	23-Jan	EXAM 1			
4	26-Jan	Charge & Coulomb's Law	21-1 to 21-3	Charge	Heat Capacity
	28-Jan	Electric Field Vectors & Lines	21-4 to 21-5		
	30-Jan	Electric Fields Act on Charges	21-5 to 21-6		
5	2-Feb	E for Continuous Chg Distrib.	22-1 to 22-2	E-Field & Flux	Electrostatics
	4-Feb	Flux & Gauss' Law	22-2 to 22-3		
	6-Feb	Gauss' Law Applied	22-4 to 22-6		
6	9-Feb	Electric Potential & Potl Energy	23-1 to 23-2	Gauss' Law	Electric Fields†
	11-Feb	E from V and V for Chg. Distrib.	23-3 to 23-4		
	13-Feb	EXAM 2			
7	16-Feb	HOLIDAY		Electric Potential Diff.	DC Circuits I
	18-Feb	Equipotentials & Potl. Energy	23-5 to 23-6		
	20-Feb	Capacitance & Energy	24-1 to 24-2		
8	23-Feb	Dielectrics & Combined Caps	24-3 to 24-5	Circuits II	DC Circuits II
	25-Feb	Current, Voltage & Resistance	25-1 to 25-2		
	27-Feb	Energy, Resistors & Kirchhoff	25-3 to 25-5		
9	2-Mar	Multiloop & RC Circuits	25-5 to 25-6	Circuits III	Capacitors & RC Circuits
	4-Mar	Magnetic Fields & Forces	26-1 to 26-2		
	6-Mar	EXAM 3			
10	9-Mar	Charges & Currents in B Fields	26-2 to 26-4	Mag. Interactions	Make-up labs
	11-Mar	Biot Savart Law	27-1 to 27-2		
	13-Mar	Gauss' Law for B, Ampere's Law	27-3 to 27-4		
11	16-Mar	FINAL EXAMS begin			
* = catch-up day or optional topic % = limited treatment OK					
					† to be replaced in future
		textbook =	TIPLER		with an additional circuits lab