

Physics 122 Winter 2015

week	day	date	lecture topic	text	SmartPhysics	tutorial	lab
1	M	5-Jan	Charge & Coulomb's Law	21-1 to 21-3	Coulomb's law	No tutls 1st week	No lab 1st week
	W	7-Jan	Electric Field Vectors & Lines	21-4 to 21-5	Electric Field		
	F	9-Jan	Electric Fields Act on Charges	21-5 to 21-6	No SP today		
2	M	12-Jan	E for Continuous Chg Distrib.	22-1 to 22-2	Electric Flux	Charge	Electrostatics
	W	14-Jan	Flux & Gauss' Law	22-2 to 22-3	Gauss' law		
	F	16-Jan	Gauss' Law Applied	22-4 to 22-6	Elec Potl Energy		
3	M	19-Jan	HOLIDAY	-		E-Field & Flux	Electric Fields
	W	21-Jan	Electric Potential Energy		No SP today		
	Th	22-Jan	EXAM 1				
	F	23-Jan	Electric Potential	23-1 to 23-2	Elec Potential		
4	M	26-Jan	E from V and V for Chg. Distrib.	23-3 to 23-4	No SP today	Gauss' Law	DC Circuits I
	W	28-Jan	Equipotentials & Potl. Energy	23-5 to 23-6	Conductrs & Capacit		
	F	30-Jan	Capacitance & Energy	24-1 to 24-2	Capacitors		
5	M	2-Feb	Dielectrics & Combined Caps	24-3 to 24-5	No SP today	Electric Pot. Difference	DC Circuits II
	W	4-Feb	Current, Voltage & Resistance	25-1 to 25-2	Electric Current		
	F	6-Feb	Energy, Resistors & Kirchhoff	25-3 to 25-5	Kirchhoff's Rules		
6	M	9-Feb	Multiloop & RC Circuits	25-5 to 25-6	RC Circuits	Capacitance	Capacitors & RC Circuits
	W	11-Feb	Review & Extension	-	No SP today		
	Th	12-Feb	EXAM 2	-			
	F	13-Feb	Magnetic Fields & Forces	26-1 to 26-2	Magnetism		
7	M	16-Feb	HOLIDAY	-		Circuits III	Electronic Devices
	W	18-Feb	Charges & Currents in B Fields	26-2 to 26-4	Forces & Torques		
	F	20-Feb	Biot Savart Law	27-1 to 27-2	Biot-Savart		
8	M	23-Feb	Gauss' Law for B, Ampere's Law	27-3 to 27-4	Ampere's Law	Mag Interactions	Magnetic Fields & Forces
	W	25-Feb	Motional EMF	28-1 to 28-3	Motional EMF		
	F	27-Feb	Faraday's Law, Lenz' Law, Eddy Cu	28-4 to 28-5	Faraday's Law		
9	M	2-Mar	Inductance, Energy & RL Circuits	28-6 to 28-8	Induction, RL Circuits	Ampere's Law	EM Induction
	W	4-Mar	Review & Extension	-	No SP today		
	Th	5-Mar	EXAM 3				
	F	6-Mar	Oscillating AC Circuits	29-1 to 29-4	LC and RLC Circuits		
10	M	9-Mar	Driven AC Circuits	29-5 to 29-6	AC Circuits	Lenz' Law	Make-up Labs
	W	11-Mar	Resonance, Phasors, Transformers	30-1 to 30-2	Resonance		
	F	13-Mar	Displacement Current & Maxwell's	30-2 to 30-4	Displacement Current & EM Waves		
		16-Mar	Phys 122C Final 8:30-10:20	Room A102			
11	-	18-Mar	Phys 122A Final 8:30-10:20	Room A102			