

Physics 141 Summer 2013			
Date	Unit #	Topics	Smart Physics Unit
Mon, May 6	19	Electrostatics	
Wed, May 8	19	Coulomb's Law	Coulomb's Law
Fri, May 10	19	Electric Fields	Electric Fields
Mon, May 13	20	Electric Field Lines and Flux	Electric Flux and Field Lines
Wed, May 15	20	Gauss' Law	Gauss' Law
Fri, May 17	20	Gauss' Law Calculations	
Mon, May 20		Victoria Day	
Wed, May 22	21	Electric & Gravitational Forces	Electric Potential Energy
Fri, May 24	21	Electric Potential	Electric Potential
Mon, May 27	22	Current and Resistance	Conductors and Capacitance
Wed, May 29	22	Series and Parallel Circuits	Electric Current
Fri, May 31	23	Error Propagation, Digital Meters	Kirchhoff's Rules
Mon, Jun 3	23	Kirchhoff's Laws	Capacitors
Wed, Jun 5	24	Capacitance	RC Circuits
Fri, Jun 7	24	RC Circuits	Magnetism
Mon, Jun 10		Midterm 1	
Wed, Jun 12	25	Magnetic Forces and Fields	Forces and Torques on Currents
Fri, Jun 14	25	Magnetic Forces and Currents	Biot-Savart Law
Mon, Jun 17	26s1	Magnetism from Electricity	Ampere's Law
Wed, Jun 19	26s2	Biot-Savard and Faraday's Law	Motional EMF
Fri, Jun 21	27s1	AC Circuits and the Oscilloscope	Faraday's Law
Mon, Jun 24	26s3	Verification of Faraday's Law and	Induction and RL Circuits
Wed, Jun 26	27s2	AC Circuits	LRC Circuits
Fri, Jun 28		Practice	AC Circuits
Mon, Jul 1		Canada Day	
Wed, Jul 3		Practice	AC Circuits: Resonance and Power
Fri, Jul 5		practical exam	
Mon, Jul 8	28	Electromagnetic Waves	Displacement Current and E-M Waves
Wed, Jul 10	28	Energy Transport and Polarization	Properties of Electromagnetic Waves
Fri, Jul 12		Midterm 2	
Mon, Jul 15	28	Polarization	Polarization
Wed, Jul 17	29	Reflection and Images	Reflection and Refraction
Fri, Jul 19	30	Refraction, Prisms and Lenses	Lenses, Mirrors
Mon, Jul 22	30	Lenses and Mirrors Combination	Optical Instruments
Wed, Jul 24	31	Interference	No SmartPhysics:
Fri, Jul 26	31	Interference & Diffraction	Read Tipler & Mosca Ch 33
Mon, Jul 29	32	Intro to Quantum Mechanics	No SmartPhysics:
Wed, Jul 31	32	More Quantum	Read Giancoli Unit 32 Handout
Fri, Aug 2	32	More Quantum / Review	
Wed, Aug 14		Final Exam 12:00 — 15:00	