

Tentative Schedule for Physics 390: Fall 2013 (Schedule for 5 or 6 students enrolled)			
Date	Events	Topics (presented on dates shown)	who presents what
August 21, 2013	Organizational meeting	Assignment of topics for next classes	
August 28, 2013	10 minute presentations	Mechanics I kinematics conservation of energy conservation of momentum uniform circular motion Newton's laws Statics	ALL
		preliminary topic submission	ALL
September 4, 2013	10 minute presentations	Mechanics II Torque and Equilibrium vibrations gravity non-uniform circular motion simple harmonic oscillation rigid body rotational motion	ALL
September 11, 2013	10 minute presentations	Waves traveling pulses standing waves transverse waves on strings sound TEM waves longitudinal waves	ALL
		Revised prelim topic submission	ALL
September 18, 2013	10 minute presentations	Thermodynamics linear expansion ideal gas internal energy entropy adiabatic ideal gas Carnot Cycle and heat engine	ALL
		Formal topics submission for approval	ALL
September 25, 2013	10 minute presentations	Electrostatics Coulomb's law Electric dipole Gauss's Law Electrostatic Potential Capacitance and energy density Resistance and current	ALL
		Formal Progress Update 01	ALL
October 2, 2013	10 minute presentations	Magnetism Ampere's law Law of Biot-Savart Solenoid magnetization Inductance and energy density Displacement current	ALL
		Formal Progress Update 02	ALL

October 9, 2013	10 minute presentations	Optics Snell's Law images formed with thin lenses images formed with spherical mirrors dispersion and prisms polarization and Brewster's angle interference of light waves	ALL
		Formal Progress Update 03	ALL
October 16, 2013	10 minute presentations	Misc. Physics Topics I (Student Selected)	ALL
		Formal Progress Update 04	ALL
October 23, 2013	10 minute presentations	Misc. Physics Topics II (Student Selected)	ALL
		Formal Paper Rough Draft Due	ALL
October 30, 2013	10 minute presentations	Misc. Physics Topics III (Student Selected)	ALL
		Formal Topic Papers Due	ALL
November 6, 2013	25 minute presentations	1-2x	tbd
November 13, 2013	25 minute presentations	1-2x	tbd
November 20, 2013	25 minute presentations	1-2x	tbd
December 4, 2013	25 minute presentations	1-2x	tbd