

Tentative Schedule for Physics 390: Fall 2015 (Schedule for 5 or 6 students enrolled)			
Date	Events	Topics (presented on dates shown)	who presents what
August 18, 2015	Organizational meeting	Assignment of topics for next classes	
August 25, 2015	10 minute presentations 01	Mechanics I kinematics conservation of energy conservation of momentum uniform circular motion Newton's laws Statics Preliminary topic submission	ALL CD SG NW BL ML
September 1, 2015	10 minute presentations 01	Mechanics II Torque and Equilibrium vibrations gravity non-uniform circular motion simple harmonic oscillation rigid body rotational motion Revised prelim topic submission	ALL
			CD SG BL ML NW
September 8, 2015	10 minute presentations 02	Waves traveling pulses standing waves transverse waves on strings sound TEM waves longitudinal waves Revised prelim topic submission	ALL ML SG BL NW CD
September 15, 2015	10 minute presentations 03	Thermodynamics linear expansion ideal gas internal energy entropy adiabatic ideal gas Carnot Cycle and heat engine Formal topics submission for approval	ALL
			ML NW BL SG CD
September 22, 2015	10 minute presentations 04	Electrostatics Coulomb's law Electric dipole Gauss's Law Electrostatic Potential Capacitance and energy density Resistance and current Formal Progress Update 01	ALL
			SG BL ML CD NW
September 29, 2015	10 minute presentations 05	Magnetism Ampere's law Law of Biot-Savart Solenoid magnetization Inductance and energy density Displacement current Formal Progress Update 02	ALL
			SG BL CD ML NW
October 6, 2015	10 minute presentations 06	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 Formal Progress Update 03	ALL
			SG CD MW BL NW
October 27, 2015	10 minute presentations 07	Misc. Physics Topics I (Student Selected) Formal Progress Update 04	ALL
			NW:BL:ML:CD:SG
November 3, 2015	10 minute presentations 08	Misc. Physics Topics II (Student Selected)	ALL ML:CD:BI:SG:NW

		Formal Progress Update 05	
November 10, 2015	10 minute presentations 09	Misc. Physics Topics III Formal Paper Rough Draft Due	ALL CD:BL:SG:NW:ML
November 17, 2015	25 minute presentations	2x All Formal Topic Papers Due	ML:SG
November 24, 2015	25 minute presentations	2x	CD:BL:NW
December 1, 2015	25 minute presentations	2x	tbd