

TENTATIVE SCHEDULE:

Week 1	Lecture 1	M	Course intro Simple harmonic motion (SHM)
	Lecture 2	T	Pendulum, damped oscillators
	Lecture 3	W	Waves on a string, intro to physics of waves
	Lecture 4	Th	Waves continued, sound waves I HW1 due (Lectures 1-2)
Week 2		M	Independence Day - no lecture
	Lecture 5	T	Sound waves II
	Lecture 6	W	Electromagnetic waves HW2 due (Lectures 3-5)
		Th	Midterm 1 (Lectures 1-5)
Week 3	Lecture 7	M	Reflection, refraction and absorption of light
	Lecture 8	T	Geometric optics, lenses
	Lecture 9	W	Multiple-lens systems
	Lecture 10	Th	Wave optics, interference, diffraction HW3 due (Lectures 6-9)
Week 4	Lecture 11	M	Optical instruments
	Lecture 12	T	Brief introduction to special relativity
	Lecture 13	W	Intro to quantum mechanics HW4 due (Lectures 10-12)
		Th	Midterm 2 (Lectures 6-12)
Week 5	Lecture 14	M	Quantum mechanics and physics of atoms
	Lecture 15	T	Nuclear physics
	Lecture 16	W	Particle physics
		Th	Review for final exam HW5 due (Lectures 13-16)
		F	Final Exam (Cumulative)