

## General Physics II

## Tentative Course Schedule

Electrostatics			
January	14	Nature of Memory - Light Me Up!	Chapter 14 / Lab 01
	16	Electric Fields, Electric Force, Superposition, Dipoles	Lab: Pre-Tests etc
	18	Dipole motion in E-field	Group Practice Problem
	21	No Class – MLK Jr Holiday	Chapter 15 / Lab 02
	23	Charge Conservation, Insulator, Induction	
	25	Polarization	Group Practice Problem
	28	Distributed charges	Chapter 16 / Lab 03
	30	Uniformly charged objects	
February	1		Group Practice Problem
	4	Review	
	6	Review	Exam 1 (C 14-16)
	8	Group Exam 1	
Voltage – Electric Potential			
	11	Electric Potential	Chapter 17 / Lab 04
	13	Voltage and Work	
	15	Speed and electron “gun”	Group Practice Problem
	18	Magnetic Field, current = moving charges	Chapter 18 / Lab 05
	20	Superposition of fields/forces, Biot-Savart	
	22	Relativity (?)	Group Practice Problem
Circuits			
	25	Circuits, surface charges	Chapter 19 / Lab 06
	27	Voltage, Resistors, Circuit analysis	
March	1	Parallel and Series	Group Practice Problem
	4	Review	
	6	Review	Exam 2 (C 17-19)
	8	Group Exam 2	
	11	No Class – Spring Break	
	13	No Class – Spring Break	
	15	No Class – Spring Break	
	18	Circuit Elements, capacitors and resistors	Chapter 20 / Lab 07
	20	RC time constant	
	22		Group Practice Problem

Magnetic Force			
	25	Magnetic Force, Lorentz force	Chapter 21 / Lab 08
	27	Polarization, magnetic torque	
	29		Group Practice Problem
Maxwell's Equations			
April	1	Patterns of Field in Space, Gauss' Law	Chapter 22 / Lab 09
	3	Ampere's Law	
	5		Group Practice Problem
	8	Faraday's Law	Chapter 23 / Lab 10
	10	Review	
	12		Group Practice Problem
	15	<b>Group Exam 3</b>	SAC Tuesday, April 16
	17	<b>Exam 3 (C 20-22)</b>	
	19	Inductance	
Electromagnetic Radiation and Optics			
	22	Electromagnetic Radiation, Poynting vector	Chapter 24 / Lab 11
	24	Refraction	
	26		Group Practice Problem
	29	Waves and Particles, light and electrons (matter)	Chapter 25 / Lab 12
May	1	Superposition and sinusoidal waves	
	3		Group Practice Problem
	6	<b>Group Exam 4</b>	Lab: Post-Tests etc
	8	<b>Study Day</b>	Optional Course Review
	14	<b>Final Exam – 12:00 pm (Tuesday)</b>	Comprehensive Exam
	17	<b>Commencement (Friday)</b>	

The Department of Physics and Astronomy has help sessions for both programming as well as homework problems.

The Academic Support Center (ASC) provides tutoring for many classes through the Academic Assistant Program (AAP). Stop by the ASC located in Flora-Frick Hall 154 to complete a tutor request form. Tutors are assigned on a first come first serve basis.