



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: General Physics II w/Calculus
Course Number: PHY222

Required Materials

Textbook(s): Physics for Scientists and Engineers, Serway and Jewett, 10th edition; Cengage Learning (Chapters 22 - 37)
Required Readings: None
Additional Materials: WebAssign (bundled with new text); PHY222 Laboratory Manual 2.1.0

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

16 Week Calendar

Week	Chapter/Topic/Lab
1	Chapter 22, 23 I) Error Analysis
2	Chapter 23, 24 II) Electric fields
3	Chapter 24, 25 III) Capacitors
4	Exam I, Chapter 26 IV) Ohm's Law
5	Chapter 26, 27 V) Resistor-Capacitor circuits
6	Chapter 28 VI) Magnetic fields
7	Chapter 28, 29 Review
8	Exam II, Chapter 30 XIV) Radioactivity
9	Chapter 30, 31

Week	Chapter/Topic/Lab
	VII) Transformers
10	Chapter 32, 33 VIII) Resistor-Inductor-Capacitor circuits
11	Exam III, Chapter 33 IX) Reflection
12	Chapter 34, 35 X) Lenses
13	Chapter 35, 36 XI) Diffraction/Interference
14	Exam IV, Chapter 36, 37 XII) Polarization
15	Chapter 37, Review Review
16	FINAL EXAM