



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: College Physics II w/Algebra
Course Number: PHY122

Required Materials

Textbook(s): College Physics, Knight, Jones and Field, 4th edition; Addison Wesley, 2018 (Chapters 1-13)
Required Readings: None
Additional Materials: Mastering Physics (bundled with new text) College Physics I with Algebra PHY122 Laboratory Manual 6.0.1

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 14: Oscillations/ β radiation
2	Chapter 15: Waves/ Pendula
3	Chapter 16: Wave Superposition/ Waves
4	Chapter 17: Wave Optics/ Diffraction
5	Chapter 17, Chapter 18: Ray Optics /Refraction
6	Chapter 18 /Lenses
7	Chapter 19: Optical Instruments/ Review
8	Chapter 20: Electric Fields/ Electrostatics
9	Chapter 20 & 21: Voltage /Capacitors
10	Chapter 21, Chapter 22: Ohm's Law/ Ohm's Law
11	Chapter 23: Circuits/ Circuits
12	Chapter 24: Magnetic Fields/ Magnets
13	Chapter 24, Chapter 25: EM Waves/ Transformers
14	Chapter 25, Chapter 26: AC Circuits/ RLC circuits
15	Chapter 26, Review
16	Final Exam

5 Week Calendar

Week	Chapter: Topic/ Lab
1	Chapters 14 – 16: Oscillations and Waves/ β radiation, Pendula, Waves
2	Chapters 17 – 19: Optics/ Diffraction, Refraction, Lenses
3	Chapters 20 – 22: Electricity/ Electrostatics, Capacitors, Ohm's Law
4	Chapters 23 & 24: Circuits and Magnetic Fields/ Circuits, Magnets, Transformers
5	Chapters 25 & 26: EM waves and AC Circuits/ RLC Circuits