



PHYS 110 - Descriptive Physics Course Outline

Approval Date: 03/01/1983

Effective Date: 01/16/2018

SECTION A

Unique ID Number CCC000305476

Discipline(s) Physics/Astronomy

Division Science and Engineering

Subject Area Physics

Subject Code PHYS

Course Number 110

Course Title Descriptive Physics

TOP Code/SAM Code 1902.00 - Physics, General / -

Rationale for adding this course to the curriculum update text and SLOs

Units 3

Cross List N/A

Typical Course Weeks 18

Total Instructional Hours

Contact Hours

Lecture 54.00

Lab 0.00

Activity 0.00

Work Experience 0.00

Outside of Class Hours 108.00

Total Contact Hours 54

Total Student Hours 162

Open Entry/Open Exit No

Maximum Enrollment

Grading Option Letter Grade or P/NP

Distance Education Mode of Instruction

SECTION B

General Education Information:

SECTION C

Momentum
The Law of Gravitation

PROPERTIES OF MATTER
The Atomic Nature of Matter
Solids
Liquids
Gases
Fluids in Motion

HEAT
Temperature, Heat, and Expansion
Transmission of Heat
Change of State

SOUND
Vibrations and Waves
Sound
Musical Sounds
Shock Waves and the Sonic Boom

ELECTRICITY AND MAGNETISM
Electricity at Rest
Current Electricity
Magnetism
Electromagnetic Interactions
Electromagnetic Radiation

LIGHT AND QUANTUM THEORY
The Wave and Quantum Nature of Light
Light Emission and Color
The Behavior of Light: Reflection and Refraction
The

