

COURSE INFORMATION

PHYSICS COURSES

PH 210 INTRODUCTORY PHYSICS LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

This course consists of experiments dealing with mechanics, heat, and sound. It acts as a laboratory for PH251. It meets for three hours weekly.

PH 211 INTRODUCTORY PHYSICS LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

This course consists of experiments dealing with electricity, magnetism, optics, and atomic physics. It acts as a laboratory for PH252. It meets for three hours weekly.

PH 251 UNIVERSITY PHYSICS

FALL ONLY/ALL YEARS

4 credit hours

This is the first of a two-semester course in general physics using applied calculus. Classical mechanics, heat and thermodynamics are considered. It includes four hours of lecture per week. Prerequisite: MA203 or concurrent enrollment.

PH 252 UNIVERSITY PHYSICS

SPRING ONLY/ALL YEARS

4 credit hours

A continuation of PH251, this course deals with classical electricity and magnetism, optics, wave motion and sound. It includes three hours of lecture per week. Prerequisite: PH251.

PH 301 MECHANICS

FALL ONLY/ODD YEARS

3 credit hours

Mechanics is the study of static, kinematic, and dynamic principles. It includes four hours of lecture per week. Prerequisite: PH252.

PH 305 THERMODYNAMICS

SPRING ONLY/ODD YEARS

3 credit hours

Thermodynamics includes the consideration of temperature, equations of state, heat, the first law, the second law, entropy, thermodynamic functions, introduction to kinetic theory and statistical mechanics, and applications to related scientific areas. It consists of three hours of lecture per week. Prerequisite: PH252.