

# PHYSICS (PH)

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## **PH180 Internship: Physics** 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical on-site experience that will allow students to explore workplace environments and career options.

This course may be taken 12 times for credit.

Course classification: LDC

## **PH201 Gen Physics I: Mechanics** 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): ( MTH112 )

Offers the first term of a three-term sequence of introductory algebra-based college physics. Includes: kinematics, Newton's laws, energy, momentum, and rotation.

This course may be taken 1 time for credit.

Course classification: LDC

## **PH202 Gen Physics II: Heat, Waves, Rel** 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): ( PH201 )

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

## **PH203 Gen Physics III: Elect & Magnetism** 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): ( PH202 )

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

## **PH211 Gen Physics w/Calculus I** 5 credits (4 lec, 3 lab hrs/wk)

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. For science and engineering majors. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

## **PH212 Gen Physics w/Calculus II** 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): ( PH211 )

Study of the physical properties and interactions of mechanics, sound, heat, light, electricity, magnetism, and optics. For science and engineering majors. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

## **PH213 Gen Physics w/Calculus III** 5 credits (4 lec, 3 lab hrs/wk)

Prerequisite(s): ( MTH252 and PH212 )

Study of physical properties of mechanics, sound, heat, light, electricity, magnetism, and optics. For science and engineering majors. Includes laboratory activities. Must be taken in sequence.

This course may be taken 1 time for credit.

Course classification: LDC

## **PH280 CWE: Physics** 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

Practical worksite exposure to applied science, which provides students an opportunity to explore potential career paths in science while gaining practical experience in applying classroom science theory.

This course may be taken 12 times for credit.

Course classification: LDC