

# PHYSICS (PHYS)

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## **PHYS 201 - PHYSICS I**

Empirical analysis of experimental data; kinematics and dynamics of a particle; energy, linear momentum, and gravitation. Lecture and Lab course.

Credits: 2,3

Attributes: Lab Course, Natural Science

Prerequisites: MATH 122 or MATH 231 (may be taken concurrently)

## **PHYS 202 - PHYSICS II**

Static and dynamic electricity; electric and magnetic fields; electromagnetic radiation. Lectures and laboratory. Lecture and Lab course.

Credits: 2,3

Attributes: Lab Course, Natural Science

Prerequisites: (MATH 122 or MATH 231 (may be taken concurrently)) and PHYS 201

## **PHYS 233 - CALCULUS-BASED PHYSICS I DISCUSSION**

Calculus-based derivations and applications for the physics I topics of mechanics and thermodynamics.

Credits: 1

Attributes: Natural Science

Prerequisites: MATH 231 (may be taken concurrently)

## **PHYS 234 - CALCULUS-BASED PHYSICS II DISCUSSION**

Calculus derivations and applications of physics principles related to electromagnetism and light.

Credits: 1

Attributes: Natural Science

Prerequisites: MATH 232 (may be taken concurrently) and PHYS 233

Course Notes: Must also register for PHYS 202 lecture.