

# PHYSICS (PH)

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**PH 2110 College Physics I (4)**

The first course in an algebra-based two-semester sequence covering major areas of classical physics. Topics include kinematics, statics, dynamics, energy, and fluids, as time permits. Understanding of concepts is built through guided-discovery laboratory sessions integrated into lecture in a studio format. The course strongly emphasizes life science applications. Springs and Falls.

**PH 2120 College Physics II (4)**

The second course in an algebra-based two-semester sequence covering major areas of classical physics. Topics include electricity, fluids, waves, and optics. Understanding of concepts is built through guided-discovery laboratory sessions integrated into lecture in a studio format. The course strongly emphasizes life science applications. A major component of the course may include a signature project. Springs.

Prerequisite(s): (PH 2110) or (PH 2210 and PH 2430)

**PH 2510 University Physics I (4)**

The first course in a calculus-based two-semester sequence covering major areas of classical physics. Topics include kinematics, dynamics, energy, and fluids. Understanding of concepts is built through guided-discovery laboratory sessions integrated into lecture in a studio format. The course is primarily intended for physical science and mathematics majors. Falls.

Prerequisite(s): MA 2550

**PH 2520 University Physics II (4)**

The second course in a calculus-based two-semester sequence covering major areas of classical physics. Topics include fluids, rotational motion, electricity, waves, and optics. Understanding of concepts is built through guided-discovery laboratory sessions integrated into lecture in a studio format. The course is primarily intended for physical science and mathematics majors. Springs.

Prerequisite(s): (PH 2510) or (PH 2410 and PH 2430)

**PH 3900 Special Topics in Physics (1-4)**

Students can pursue subjects of interest in Physics, augmenting the material covered in the introductory courses. Credit varies with amount of material covered. The course must be set up with the instructor before registration.

Prerequisite(s): (PH 2130 and PH 2140) or (PH 2410 and PH 2420).