

# PHYSICS (PH)

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## PH 201: General Physics w Algebra I (5)

Algebra-based physics including topics: mechanics, fluids, waves, thermodynamics, electricity and magnetism, light and optics. PH201: Units, vectors, motion, dynamics, energy, and momentum. PH 202.

Rotation Gravitation, equilibrium, fluids, and thermodynamics.

Recommended for pre-professional health care programs. Courses must be taken in sequence, or with consent of instructor.

**Registration-Enforced Prerequisite/Corequisite:** MTH 111Z or equivalent.

**Terms Typically Offered:** Fall

## PH 202: General Physics w Algebra II (5)

Algebra-based physics including topics: mechanics, fluids, waves, thermodynamics, electricity and magnetism, light and optics. PH 201:

Units, vectors, motion, dynamics, energy, and momentum. Recommended for pre professional health care programs. Courses must be taken in sequence, or with consent of instructor.

**Registration-Enforced Prerequisite:** PH 201 and Registration-Enforced Prerequisite or Co-Requsite: MTH 111Z or equivalent.

**Terms Typically Offered:** Winter

## PH 203: General Physics w Algebra III (5)

Algebra-based physics including topics: mechanics, fluids, waves, thermodynamics, electricity and magnetism, light and optics.

PH 203: Waves, sound, electricity and magnetism, light, and optics.

Recommended for pre professional health care programs. Courses must be taken in sequence, or with consent of instructor

**Registration-Enforced Prerequisite:** PH 202.

**Terms Typically Offered:** Spring

## PH 211: General Physics w-Calculus I (5)

Calculus-based physics including mechanics, gravitation, fluids, harmonic motion, electricity and magnetism, light and optics, and thermodynamics.

PH 211: Units, vectors, motion, dynamics, energy, and momentum.

Registration-Enforced Prerequisite or Note: PH 201-203 recommended for pre-professional health care programs. Courses must be taken in sequence, or with consent of instructor

**Corequisite:** MTH 251.

**Terms Typically Offered:** Fall

## PH 212: General Physics w-Calculus II (5)

Calculus-based physics including mechanics, gravitation, fluids, harmonic motion, electricity and magnetism, light and optics, and thermodynamics.

PH 212: Rotation, rotational dynamics, equilibrium, elasticity, fluids, oscillations, and waves.

**Registration-Enforced Prerequisite:** PH 211,.

**Registration-Enforced Prerequisite/Corequisite:** MTH 252.

**Terms Typically Offered:** Winter

## PH 213: General Physics w-Calculus III (5)

Calculus-based physics including mechanics, gravitation, fluids, harmonic motion, electricity and magnetism, light and optics, and thermodynamics.

PH 213: Sound, electric forces and electric fields and potentials, capacitance, electronics, magnetism, light and optics, and thermal

physics. Note: PH 201-203 recommended for pre-professional health care programs. Courses must be taken in sequence, or with consent of instructor.

**Registration-Enforced Prerequisite:** PH 212.

**Terms Typically Offered:** Spring