

PHYSICS (PHYS)

PHYS 101 - The Physics of How Things Work I (3 Credits)

A practical introduction to physics and science in everyday life-from concrete examples to basic physical principles.

Carolina Core: SCI

PHYS 101L - The Physics of How Things Work I Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 101.

Prerequisite or Corequisite: PHYS 101.

Carolina Core: SCI

PHYS 201 - General Physics I (3 Credits)

First part of an introductory course sequence. Topics include mechanics, and selections from wave motion, sound, fluids, and heat. No previous background in physics is assumed.

Prerequisites: C or better in MATH 111, MATH 111I, MATH 112, MATH 115, MATH 116, MATH 122, MATH 141, or by placement score into MATH 122, MATH 141, or higher.

Carolina Core: SCI

PHYS 201L - General Physics Laboratory I (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 201.

Prerequisite or Corequisite: C or better in PHYS 201.

Carolina Core: SCI

PHYS 202 - General Physics II (3 Credits)

Continuation of PHYS 201; includes electromagnetism, and selected topics from optics, relativity, quantum physics, atomic and nuclear physics.

Prerequisites: C or better in PHYS 201.

Carolina Core: SCI

PHYS 202L - General Physics Laboratory II (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 202.

Prerequisite or Corequisite: C or better in PHYS 202.

Carolina Core: SCI

PHYS 211 - Essentials of Physics I (3 Credits)

Classical mechanics and wave motion. Calculus-level course for students of science and engineering.

Prerequisites: C or better in MATH 141.

Corequisite: PHYS 211L.

Carolina Core: SCI

PHYS 211L - Essentials of Physics I Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 211.

Prerequisite or Corequisite: C or better in PHYS 211.

Carolina Core: SCI

PHYS 212 - Essentials of Physics II (3 Credits)

Classical electromagnetism and optics.

Prerequisites: C or better in PHYS 211 and MATH 142.

Corequisite: PHYS 212L.

Carolina Core: SCI

PHYS 212L - Essentials of Physics II Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 212.

Prerequisite or Corequisite: C or better in PHYS 212.

Carolina Core: SCI

PHYS 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research