PHYSICS/PHYSICAL SCIENCE (PHYS)

PHYS-1401. College Physics I. (4 Credits)
(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: MATH 1314 and MATH 1316, OR MATH 2312) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1402. College Physics II. (4 Credits)
(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: PHYS 1401) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics and modern physics topics; with emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1415. Physical Science I. (4 Credits)
(4-3-3) Core Area 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy, and meteorology. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-1417. Physical Science II. (4 Credits)
(4-3-3) Core Area 030 This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Course designed for non-science majors that surveys topics from physics, chemistry, geology, astronomy and meteorology. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-2425. University Physics I. (4 Credits)
(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: MATH 2413) Students will earn an A, B, C, D, F, or W. Fundamental principles of physics, using calculus, for science, computer science and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. A laboratory component is included that gives practical experience to material covered in class. Lab fee.

PHYS-2426. University Physics II. (4 Credits)
(4-3-3) Core Area 030 This course is taken for academic credit. (Prerequisite: PHYS 2425 and MATH 2414) Students will earn an A, B, C, D, F, or W. Principles of physics for science, computer science, and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound light and optics. A laboratory component is included that gives practical experience to material covered in class. Lab fee.