PHYSICS (PHY) (PHYS)

PHYS 1101. College Physics I Lab. 1 Hour.
Physics lab covers mechanics, heat, thermodynamics, and sound. Corequisite: PHYS 1301.

PHYS 1102. College Physics II Lab. 1 Hour.
Physics lab covers electricity and magnetism, light, and modern physics. Corequisite: PHYS 1302.

PHYS 1301. College Physics I. 3 Hours.
This course covers algebra-level physics sequences for students in pre-professional programs, biology, geology, or architecture who do not expect to do additional work in engineering or physics. This course covers basic mechanics, fluids, and thermodynamics. Prerequisite: MATH 1314 and MATH 1316, or MATH 2312 or MATH 2412. Corequisite: PHYS 1101.

PHYS 1302. College Physics II. 3 Hours.
This course covers algebra-level physics sequence for students in pre-professional programs, biology, geology, and architecture who do not expect to do additional work in engineering or physics. The course covers electricity and magnetism, light, and modern physics. Prerequisite: PHYS 1301 and PHYS 1101, or PHYS 1401. Corequisite: PHYS 1102.

PHYS 1415. Physical Science I. 4 Hours.
Algebra-based physical science for students in pre-professional programs, biology, geology, or architecture who do not expect to do additional work in engineering or physics. Topics include elementary vector algebra, mechanics, heat, thermodynamics and sound.

PHYS 1417. Physical Science II. 4 Hours.
The course covers algrebra-based physical science for students in pre-professional programs, biology, geology, or architecture who do not expect to do additional work in engineering or physics. Topics include elementary chemistry, geology, earth's surface, climate, the solar system, and galaxies. Prerequisite: Must be TSI complete.

PHYS 2125. University Physics I Lab. 1 Hour.
Physics lab covers elementary vector algebra, mechanics, heat, thermodynamics and sound. Prerequisite or Corequisite: MATH 2413. Corequisite: PHYS 2325.

PHYS 2126. University Physics II Lab. 1 Hour.
This lab covers electricity and magnetism, light, and modern physics. Prerequisite or Corequisite: MATH 2413. Corequisite: PHYS 2326.

PHYS 2325. University Physics I. 3 Hours.
This course is a calculus based physics sequence for students in pre-professional programs, biology, geology, or architecture wo do not expect to do additional work in engineering or physics. Topics include elementary vector algebra, mechanics, heat, thermodynamics and sound. Prerequisite: MATH 2413. Corequisite: PHYS 2125.

PHYS 2326. University Physics II. 3 Hours.
This course is a calculus-based physics sequence for students in computer science and engineering programs. This course covers electricity and magnetism, light, and modern physics. Prerequisite: PHYS 2325 or PHYS 2425. Corequisite: PHYS 2126.

PHYS 289. Independent Study in Physics. 1-4 Hours.
This course provides individual instruction. Students may repeat the course when topics vary.

PHYS 499. Independent Research. 1-6 Hours.
Independent research in Physics is conducted by a student under the guidance of a faculty member of his or her choice. The student is required to maintain a research journal and submit a project report by the end of the semester and potentially make an oral presentation on the project. SCH and hours are by arrangement and, with a change in content, this course may be repeated for credit. Prerequisite: Consent of instructor.

PHYS 599. Independent Research. 1-6 Hours.
Independent research in Physics is conducted by a student under the guidance of a faculty member of his or her choice. Credits and hours are by arrangement and, with a change in content, this course may be repeated for credit. Prerequisite: Consent of instructor.