Physics and Astronomy Courses
(PHYSCS, ASTRONMY)

Contact:
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PHYSICS (PHYSCS)

PHYSCS 610
Modern Physics I 3 u
A study of twentieth century physics. Topics covered include relativity, elementary quantum physics, atomic structure, elementary nuclear physics and fundamental particles. Three one-hour lectures per week.
Prereq: PHYSCS 174, PHYSCS 175 or PHYSCS 162, PHYSCS 163 and MATH 254

PHYSCS 611
Modern Physics Laboratory I 1 u
A laboratory course in modern physics. The experiments performed in this course complement the lectures of Modern Physics I. It is recommended that this course be taken concurrently with Modern Physics I. One two-hour laboratory per week.
Prereq: PHYSCS 410/610 or concurrent registration or consent of instructor.

PHYSCS 612
Modern Physics II 3 u
A continuation of Modern Physics I. Topics covered include statistical mechanics, atomic and molecular spectra, x-ray spectra, physics of the solid state and nuclear physics. Three one-hour lectures per week.
Prereq: PHYSCS 410/610.

PHYSCS 690
Workshop 1-8 u

PHYSCS 691
Travel Study 1-3 u

PHYSCS 694
Seminar 1 u

PHYSCS 696
Special Studies 1-3 u
Prereq: Consent of the instructor.

PHYSICS 790
Workshop 1-6 u

PHYSICS 794
Seminar 1-3 u

PHYSICS 796
Special Studies 1-3 u

PHYSICS 798
Individual Studies 1-3 u

PHYSICS 799
Thesis Research 1-6 u
Students must complete a Thesis Proposal Form in the Graduate Studies Office before registering for this course.

ASTRONOMY COURSES (ASTRONOMY)

ASTRONOMY 690
Workshop 1-5 u

ASTRONOMY 798
Individual Studies 1-3 u