Physics and Astronomy Courses
(PHYSCS, ASTRONMY)

Contact:
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PHYSICS (PHYSCS)

PHYSCS 610
Modern Physics I 1-3 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.

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.
Corequisite: PHYSICS 610 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.
Prerequisite: PHYSICS 610

PHYSCS 690
Workshop 1-8 u

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

PHYSCS 790
Workshop 1-6 u

PHYSCS 794
Seminar 1-3 u

PHYSCS 796
Special Studies 1-3 u

PHYSCS 798
Individual Studies 1-3 u

PHYSCS 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 (ASTRONMY)

ASTRONMY 690
Workshop 1-5 u

ASTRONMY 696
Special Studies 1-3 u

ASTRONMY 798
Individual Studies 1-3 u