

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