

PHYSICS (PHYSCS)

Courses

PHYSCS 610 MODERN PHYSICS I 3 Units

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 Units

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.

COREQ: PHYSCS 610 OR CONSENT OF INSTRUCTOR

PHYSCS 612 MODERN PHYSICS II 3 Units

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 610

PHYSCS 690 WORKSHOP *Repeatable* 1-8 Units

Variable topics. Group activity oriented presentations emphasizing `hands on` and participatory instructional techniques.

PHYSCS 696 SPECIAL STUDIES *Repeatable* 1-3 Units

Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings.

PHYSCS 790 WORKSHOP *Repeatable* 1-6 Units

Variable topics. Group activity oriented presentations emphasizing `hands on` and participatory instructional techniques.

PHYSCS 794 SEMINAR 1-3 Units

Variable topics. Group activity. An advanced course of study in a defined subject matter area emphasizing a small group in intense study with a faculty member.

PHYSCS 796 SPECIAL STUDIES 1-3 Units

Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings.

PHYSCS 798 INDIV STUDIES *Repeatable* 1-3 Units

Study of a selected topic or topics under the direction of a faculty member.

PHYSCS 799 THESIS RESEARCH 1-6 Units

Students must complete a Thesis Proposal Form in the Graduate Studies Office before registering for this course.