

# PHARMACY - PHAR (PHAR)

## **PHAR 1000. Drugs: Actions and Impact on Health and Society. (3 Credits)**

Introductory survey of common drugs used medically and nonmedically. Biological emphasis with historical, cultural, social implications. General Concepts: mechanisms of action, modification drug response, new drug development. CA 3.

**Enrollment Requirements:** Not open to Pharmacy students. Not open to students who have passed PHAR 2000 when taken as Drugs: Actions and Impact on Health and Society.

**Content Areas:** CA3: Science & Technology

## **PHAR 1001E. Toxic Chemicals and Health. (3 Credits)**

Human and environmental health issues and problems associated with voluntary and involuntary exposure to toxic chemicals. Toxic chemical risks as compared to other societal health risks, the processes of scientific risk assessment, how environmental and human exposure to toxic chemicals are interdependent, and the social and environmental management of toxic chemical risks. CA 3.

**Skill Codes:** COMP: Environmental Literacy

**Content Areas:** CA3: Science & Technology

**Topics of Inquiry:** TOI4: Environmental Literacy, TOI6: Science & Empirical Inquiry

## **PHAR 1002. Fundamentals of Pharmacology. (2 Credits)**

Fundamental concepts of pharmacology. The content empowers students to identify how drugs are formulated, how they work in the body, some of the main drug classes, and the main drugs within those classes.

## **PHAR 2000. Special Topics. (1-6 Credits)**

Credits and hours as determined by the Senate Curricula and Courses Committee.

May be repeated for credit

## **PHAR 2001. Fundamentals in Chemical Biology. (3 Credits)**

Bridges the gap between traditional undergraduate curricula in chemistry and biology through the interdisciplinary topic of chemical biology. Fundamental topics in chemistry are reviewed and explained within the context of biological environments. Introduction to current state-of-the-art techniques and methods used in chemical biology research. Analysis and interpretation of data from chemical biology experiments and use this information to generate scientific conclusions.

**Enrollment Requirements:** CHEM 1128Q or CHEM 1148Q, and BIOL 1107.

**Topics of Inquiry:** TOI1: Creativity: Des, Expr, Innv

## **PHAR 3012. Pharmacy Research Seminar. (1 Credit)**

(Also offered as PHRX 3012.) A seminar series providing an overview of current research areas and contemporary issues in pharmacy practice and the pharmaceutical sciences.

**Enrollment Requirements:** Recommended Preparation: A cumulative gpa of 2.3 or above is normally required.

May be repeated for credit

## **PHAR 3095. Special Topics. (1-6 Credits)**

**Enrollment Requirements:** Open only to Pharmacy students.

May be repeated for credit

## **PHAR 3097W. Honors Thesis in Pharmacy. (3 Credits)**

(Also offered as PHRX 3097W.)

**Enrollment Requirements:** ENGL 1007 or 1010 or 1011; open only to honors students within the School of Pharmacy with consent of the instructor and Associate Dean.

**Grading Basis:** Honors Credit

**Skill Codes:** COMP: Writing Competency

## **PHAR 3099. Undergraduate Research. (1-6 Credits)**

(Also offered as PHRX 3099.) Designed primarily for qualified students who wish to extend their knowledge in the various fields represented in the School of Pharmacy. A divisional and pharmacy cumulative grade point average of 2.8 or above is normally required for enrollment. A written summary of work performed is required at the end of each semester.

May be repeated for credit