

PHARMACEUTICAL SCIENCES (PHSC)

PHSC 520 PHARMACEUTICAL BIOCHEMISTRY 3 Credit Hours

An in-depth understanding of topics in Biochemistry of particular interest to the first year Pharm.D. students.

Prerequisite: P-1 standing.

Instructor: Luis Marky, PhD

Typically Offered: SPRING

Capacity: 70

PHSC 550 INTRO PHARMACEUTICAL SCI 4 Credit Hours

Introduction to drug properties, pharmaceutical terminology, drug information, basic clinical skills, principles of chemical kinetics and stability, and acid/base chemistry of drug molecules.

Cross List: PHSC 350

Typically Offered: FALL

PHSC 570 PHARMACEUTICAL SCI I 4 Credit Hours

Application of physical pharmacy principles to the development, manufacture, and testing of drug delivery systems, and the influence of physiological factors on the absorption of drugs. The laboratory introduces extemporaneous compounding and the professional aspects of dispensing.

Prerequisite: P-1 standing or permission.

Instructor: Jered Garrison, PhD

PHSC 610 TREATMENT OF OPHTHALMIC DISEASES 1 Credit Hour

ELECTIVE

Study of the pharmacotherapy of ophthalmic diseases.

Prerequisite: P-2 or P-3 standing.

Instructor: Corey Hopkins, PhD

Typically Offered: SPRING

Capacity: 60

PHSC 626 MEDICINAL CHEMISTRY I 4 Credit Hours

Study of the chemistry, physicochemical properties and relationships between structure and pharmacological activities of organic and inorganic medicinal agents.

Prerequisite: P-2 Standing or permission.

Instructor: Martin Conda Sheridan, PhD

Typically Offered: FALL

PHSC 628 MEDICINAL CHEMISTRY II 3 Credit Hours

Study of the chemistry, physicochemical properties and relationships between structure and pharmacological activities of organic and inorganic medicinal agents. Continuation of PHSC 626.

Prerequisite: PHSC 626.

Instructor: Jonathan Vennerstrom, Ph.D.

Capacity: 70

PHSC 670 PHARMACEUTICAL SCI II 3 Credit Hours

Basic principles and concepts of biopharmaceutics, pharmacokinetics, and pharmacodynamics that affect the absorption, distribution, metabolism, elimination and action of drugs in the body.

Prerequisite: P-2 standing or permission.

Instructor: Aaron Mohs, PhD

Typically Offered: FALL

Capacity: 70

PHSC 672 PHARMACEUTICAL SCI III 3 Credit Hours

Basic principles and concepts of biopharmaceutics, pharmacokinetics, and pharmacodynamics that affect the absorption, distribution, metabolism, elimination and action of drugs in the body. Continuation of PHSC 670.

Prerequisite: P-2 standing or permission.

Instructor: Yazen Alnouti, Ph.D.

Capacity: 70

PHSC 691 PHARMACEUTICAL SCIENCE APPLICATIONS IN PHARMACY 1 Credit Hour

ELECTIVE

Study of the application of pharmaceutical sciences to pharmacotherapy.

Prerequisite: P-2 or P-3.

Instructor: Martin Conda Sheridan PhD

Capacity: 60

PHSC 697 INDEPENDENT STUDY I 1-3 Credit Hours

ELECTIVE

Introduction to research involving library, written analysis, data analysis, and/or laboratory study of individually assigned problems.

Prerequisite: Permission.

Instructor: Staff.

Capacity: 30

PHSC 699 RESEARCH IN PHARMACEUTICAL SCIENCES 1-3 Credit Hours

ELECTIVE

Basic or applied laboratory research for students.

Prerequisite: Permission.

Instructor: Staff.

Capacity: 40.