

BIOPHARMACEUTICAL SCIENCES (BIOPHRM SC)

BIOPHRM SC 133 Pharmacokinetics in Drug Development (3 Units) Spring

Instructor(s): Fran Aweeka

Prerequisite(s): Satisfactory completion of BPS 122.

Restrictions: None.

Activities: Lecture, Project

The course will provide advanced training in pharmacokinetics with a focus on the issues involved with drug development.

School: Pharmacy

Department: Bioengineering And Therapeutic Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: Letter Grade, P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

BIOPHRM SC 134 Research Design & Statistics in Drug Development (3 Units) Winter

Instructor(s): Nancy Sambol

Prerequisite(s): None.

Restrictions: This course is required for students in the Pharmaceutical Sciences Pathway, but is open to all students as an elective if space permits.

Activities: Lecture, Project

This course covers detailed aspects of optimizing research design for clinical and basic research. The material presented builds on the content covered in the Study Design Course of the first year curriculum. Design strategies for varying types of research as well as skills for critical evaluation of research studies and literature will be the primary focus. In addition, the ethics of using animals and humans will be discussed.

School: Pharmacy

Department: Bioengineering And Therapeutic Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: Letter Grade, P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No

BIOPHRM SC 135 Principles of Pharmacogenomics (3 Units) Spring

Instructor(s): Nadav Ahituv

Prerequisite(s): None.

Restrictions: None.

Activities: Lecture, Conference

This course provides students with a comprehensive overview of the genetic basis for differences in drug response. Genetic variability in drug receptors, transporters and enzymes as well as regulatory proteins involved in promoting and inhibiting transcription and translation will be discussed. The course also covers toxicogenetics and an introduction to computational genomics.

School: Pharmacy

Department: Bioengineering And Therapeutic Sciences

May the student choose the instructor for this course? No

Does enrollment in this course require instructor approval? No

Course Grading Convention: Letter Grade, P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: No

Is this a web-based online course? No

Is this an Interprofessional Education (IPE) course? No

May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No

Repeat course for credit? No