

Pharmacology, Physiology, and Therapeutics (PPT)

Courses

PPT 301. Human Physiology. 4 Credits.

A study of the normal function of the human body with particular consideration given to the necessary background needed by students pursuing a course of study in Allied Health Sciences. There are three hours of formal classroom study, two hours of laboratory and an optional review period each week. Prerequisite: ANAT 204 and either BIOL 150/150L or CHEM 116/116L or CHEM 121/121L. F,S.

PPT 315. Human Pharmacology. 3 Credits.

A survey of the more important drugs used in medicine, including basic principles, clinical uses and possible adverse effects. Prerequisite: BIMD 220 and BIMD 221 or BIOL 442 and CHEM 116 and CHEM 116L, or CHEM 121 and CHEM 121L, or CHEM 122 and CHEM 122L. F,S.

PPT 410. Drugs Subject to Abuse. 2 Credits.

Biochemical, pharmacological, behavioral and therapeutic aspects of substance abuse. Prerequisite: Advanced undergraduate standing. S.

PPT 499. Readings in Pharmacology, Physiology and Therapeutics. 1-4 Credits.

Topics and credits to be arranged with the instructor. Prerequisite: Consent of instructor. Repeatable to 4.00 credits. F,S,SS.

PPT 500. Principles of Physiology and Pharmacology. 6 Credits.

Graduate level survey course covering basic principles of human physiology and pharmacology. Material covered will include the physiology (how the body works) and the pharmacology (how drugs affect physiological functions) of the major organ systems. Covered also will be basic pharmacological principles including pharmacodynamics, pharmacokinetics and therapeutics. Teaching modalities used are designed to actively engage students in critical thinking and knowledge application. Prerequisite: BIMD 500 or consent of instructor.

PPT 503. Advanced Pharmacology or Physiology. 3 Credits.

Prerequisite: PPT 500 or consent of instructor.

PPT 505. Research Techniques. 1-3 Credits.

Prerequisite: Consent of instructor.

PPT 511. Biochemical and Molecular Mechanisms of Pharmacology. 3 Credits.

Fundamental concepts of pharmacology with emphasis on biochemical and molecular mechanisms. Prerequisite: BIMD 500 and PPT 500, or consent of instructor.

PPT 512. Special Topics in Pharmacology, Physiology and Therapeutics. 2 Credits.

An in-depth coverage of a particular topic chosen by the instructor. Prerequisite: Consent of instructor.

PPT 521. Seminar in Pharmacology, Physiology and Therapeutics. 1 Credit.

S/U grading.

PPT 525. Advanced Renal Physiology. 3 Credits.

Prerequisite: PPT 500 or consent of instructor.

PPT 526. Advanced Respiratory Physiology. 3 Credits.

Prerequisite: PPT 500 or consent of instructor.

PPT 528. Advanced Endocrinology. 3 Credits.

Prerequisite: PPT 500 or consent of instructor.

PPT 529. Adv Cardiovascular Physiology. 3 Credits.

Prerequisite: PPT 500 or consent of instructor.

PPT 530. Advanced Neurochemistry. 3 Credits.

This course is designed to introduce graduate students to the discipline of neurochemistry. This course builds on concepts introduced in PPT 500, with an emphasis on brain biochemical processes occurring in health and disease. Prerequisite: PPT 500 or consent of instructor.

PPT 590. Readings in PPT. 1-4 Credits.

Prerequisite: Consent of instructor. Repeatable to 8.00 credits.

PPT 591. Research in PPT. 1-15 Credits.

Repeatable.

PPT 996. Continuing Enrollment. 1-12 Credits.

Prerequisite: Consent of instructor. Repeatable. S/U grading.

PPT 998. Thesis. 1-9 Credits.

Prerequisite: Consent of instructor. Repeatable to 9.00 credits.

PPT 999. Dissertation. 1-12 Credits.

Prerequisite: Consent of instructor. Repeatable.