

# PHARMACOLOGY APPLIED SCIENCE (PAS)

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**PAS 517 Pharmacology Toxicology I Lab (1 Credits)****Lecture:** 1

Pharmacology Toxicology I Laboratory (1) Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 537. Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 537.

**Prerequisite(s):** PAS 537 (may be taken concurrently)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 535 Pathophysiology III (2 Credits)****Lecture:** 2

Pathophysiology III - Alterations (2) Pathophysiologic alterations of organs and organ systems, including the pulmonary, digestive, musculoskeletal systems and skin. Two hours of lecture per week. Prerequisite: PAS 436.

**Prerequisite(s):** (PAS 436)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 537 Pharmacology Toxicology (3 Credits)****Lecture:** 3

Pharmacology Toxicology I (3) Pharmacology and toxicology of drugs used to treat disorders of the gastrointestinal, respiratory, and cardiovascular systems. Three hours of lecture per week. Prerequisite: Second professional year standing in the College of Pharmacy and Health Sciences or consent of the instructor. Corequisite: Concurrent enrollment in PAS 517 and PAS 535.

**Prerequisite(s):** (PAS 517 (may be taken concurrently))**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 539 Chemotherapeutics (3 Credits)****Lecture:** 3

Chemotherapeutics (3) In-depth study of the principles of chemotherapy and a thorough discussion of agents used to manage infectious and neoplastic diseases. Three hours of lecture per week. Prerequisites: PAS 517, PAS 535, PAS 537, second professional year standing in the College of Pharmacy and Health Sciences and BIOL 347 or the equivalent.

**Prerequisite(s):** (PAS 517 (may be taken concurrently) and PAS 535 (may be taken concurrently) and PAS 537 (may be taken concurrently))**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 547 Pharmacology Toxicology II (4 Credits)****Lecture:** 4

Pharmacology Toxicology II (4) Elucidates the pharmacology and toxicology of drugs used to treat disorders of the central nervous system, musculoskeletal system, and renal system. Three hours of lecture and three hours of laboratory per week. Prerequisites: PAS 517 and PAS 537.

**Prerequisite(s):** (PAS 517 and PAS 537)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 726 Environmental Toxicology (3 Credits)****Lecture:** 3**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 933 Adv Chemotherapeutics (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED CHEMOTHERAPEUTICS (4) Advanced study of biochemical, cellular, and molecular mechanics underlying the action of drugs, immunomodulators, and other agents used to treat infections and neoplastic diseases.

**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci**PAS 943 Adv. Pharmacology (3 Credits)****Lecture:** 3, **Lab:** 0

ADVANCED PHARMACOLOGY (3) This course is designed to present in-depth and up-to-date information on pharmacology of agents used in the treatment of cardiovascular, endocrine and CNS diseases. Emphasis will be placed on discussing pharmacology agents used in the treatment of hypertension, CHD, M.I., cardiac failure, arrhythmias, endocrine abnormalities, and CNS disease.

**College/School:** College Of Pharmacy/Hlth Sci.**Department:** (R)Dept of Pharmaceutical Sci