

# PHARMACOLOGY APPLIED SCIENCE (PAS)

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**PAS 415 Pathophysiology I Lab (1 Credits)****Lecture:** 0, **Lab:** 3

Pathophysiology Laboratory (1) Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PAS 435.

Three hours of laboratory per week. Prerequisite/Corequisite: Successful completion of or concurrent enrollment in PAS 435.

**Prerequisite(s):** PAS 435 (may be taken concurrently)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PAS 435 Pathophysiology I Cell & Tissu (3 Credits)****Lecture:** 3, **Lab:** 0

Pathophysiology I - Cells and Tissues (3) Concepts of pathophysiology of cells and tissues; altered cellular and tissue biology; cellular environment of fluids and electrolytes; genes and genetic disease. Mechanisms of immunity and inflammation, tumorigenesis, and carcinogenesis. Three hours of lecture per week. Prerequisite: First professional year standing in the College of Pharmacy and Health Sciences. Corequisite: Concurrent enrollment in PAS 415.

**Prerequisite(s):** PAS 415 (may be taken concurrently)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS**PAS 436 Patho II Organs & Systems (3 Credits)****Lecture:** 3

Pathophysiology II - Organs and Tissues (3) Pathophysiologic alterations in organs and systems with emphasis on the nervous, endocrine, reproductive, hematologic, cardiovascular, and lymphatic systems. Three hours of lecture per week. Prerequisites: PAS 415 and PAS 435.

**Prerequisite(s):** (PAS 435 and PAS 415)**College/School:** College Of Pharmacy/Hlth Sci.**Department:** Dpt of Pharmaceu Sc& Env HS