

PHARMACOLOGY (PHAC)

PHAC 2100 Pharmacology 6 cr

General principles of pharmacology including consideration of the pharmacodynamics of important drugs and control and modification of drug action.

PHAC 3000 Foundations of Pharmacology 3 cr

Students will be taught a comprehensive range of basic pharmacology principles that prepare a strong foundation for future studies in pharmacology, toxicology and health sciences. Topics of emphasis include drug classification, nomenclature, administration, absorption, distribution, elimination, toxicity and addiction. There will also be a strong focus on the nature of drug interactions with molecular targets, and the cell signaling events that follow to produce therapeutic and toxic effects.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: PHGY 1030 or (BIOL 2410 and BIOL 2420) or permission of course director.

PHAC 4030 Drugs in Human Disease I 3 cr

This course will teach foundational pathophysiological concepts underlying human disease and integrate them with the therapeutic and adverse effects of important drug groups. Emphasis will be placed on disorders of the autonomic and central nervous systems, and the cardiovascular system.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: PHGY 1030 or (BIOL 2410 and BIOL 2420) or permission of course director. PHAC 3000 is also recommended.

PHAC 4040 Drugs in Human Disease II 3 cr

This course will teach foundational pathophysiological concepts underlying human disease and integrate them with the therapeutic and adverse effects of important drug groups. Emphasis will be placed on endocrine and organ system disorders, allergy and inflammation, infection, and cancer. The course also offers an introduction to basic clinical pharmacology as well as several current specialized topics in pharmacology.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: PHGY 1030 or (BIOL 2410 and BIOL 2420) or permission of course director. PHAC 3000 is also recommended.