

# Department of Pharmacology and Therapeutics

Chairperson: Simaan, Joseph

Professors: Cortas, Nadim; Sabra, Ramzi; Simaan, Joseph

The field of pharmacology embraces the knowledge of the history, source, physical and chemical properties, compounding, biochemical and physiological effects, mechanisms of action, absorption, distribution, biotransformation and excretion, and therapeutic and other uses of drugs. The Department of Pharmacology offers undergraduate and graduate programs. The undergraduate program is designed to meet the needs of medical students and is offered during the second semester of the second year. The graduate program consists of a minimum of two years of didactic and practical training leading to the degree of Master of Science. The department offers courses in the graduate program leading to the MS and PhD degrees.

**PHRM 240                      Pharmacology and Therapeutics                      48.0; 3 cr.**

A presentation of the chemistry, pharmacological effects, and therapeutic usefulness and toxicity of drugs. Designed to meet the requirements of the BS in nursing. *Prerequisite* BIOC 246.

**PHRM 228                      Pharmacology and Toxicology                      108.72; 9 cr.**

A general course dealing with the chemistry, general properties, pharmacological effects on the various systems, therapeutic usefulness, and toxicity of drugs. A separate section deals with prescription writing and toxicology. Designed to meet the requirements of the second year medical program.

**PHRM 300                      Pharmacology and Toxicology**

Similar to PHRM 228. *Offered to graduate students.*

**PHRM 303/304                      Pharmacological Methods                      0.96; 3 cr. (each)**

Methods of animal surgery, *bioassay*, and *biochemistry*. *Prerequisite*: PHRM 300.

**PHRM 305/306                      Enzymological Bioassays                      0.96; 3 cr. (each)**

*Prerequisite*: BIOC 211.

**PHRM 307/308                      Tutorial in Pharmacology                      0.96; 3 cr. (each)**

An introduction to research.

**PHRM 309/310                      Pharmacology Seminar                      0.32; 1 cr. (each)**

**PHRM 311/312                      MS Thesis                      Credit hours vary**

Original research under supervision, leading to the MS degree.

**PHRM 260                      Elective in Pharmacology                      0.180-360.**

An introduction to biochemical and physiological methods in use in pharmacology. *One to two months.*