

Department of Physiology

Chairperson (acting):	Ziyadeh, Fuad
Professors:	Bikhazi, Anwar; Birbari, Adel; Jabbur, Suhayl; Nasser, Michel; Saadé, Nayef
Associate Professors:	Homaidan, Fadia; Taha, Assaad Mohieddine
Associates:	Al-Amin, Hassen; Azar, Sami; Barada, Kassem; Murad, Fadi

The Department of Physiology offers three programs of study: medical physiology, graduate physiology, and physiology for nursing and undergraduate students.

The medical physiology program provides each medical student with a core of physiological knowledge and skill over a period of one academic year. The graduate program is a broad one leading to the MS degree in physiology and in basic medical sciences. Students with a BS degree or its equivalent are eligible. These programs include basic undergraduate courses in mathematics, biology, physics, and chemistry in the Faculty of Arts and Sciences, as well as advanced courses in physiology and other medical science disciplines.

PHYL 200 Homeostasis 36.16; 2 cr.

A course that studies the internal environment and its physiological regulation by two homeostatic organs: the lungs and the kidneys. Didactic lectures cover the physiology of the topic, treating internal environment, homeostasis and feedback mechanisms, the lung, the kidney, and electrolytes. *Annually.*

PHYL 202 Cardiovascular Physiology 31.21; 2 cr.

A course in which the cardiovascular system is presented with clear reference to pathophysiological and clinical events. Didactic lectures and seminar sessions define physiological concepts and emphasize structure-function relationships. Laboratory sessions familiarize the student with instrumentation and techniques in the cardiovascular field. *Annually.*

PHYL 204 Metabolism 32.24; 3 cr.

A course that covers the physiology of the gastrointestinal tract, metabolism and its regulation by the endocrine system, and reproduction. This course consists of lectures, conferences, and discussion sessions. *Annually.*

PHYL 208 Neurophysiology 31.27; 3 cr.

A course that investigates the physiology and various functions of the human nervous system.

PHYL 210 General Physiology: Cellular Mechanisms 48.16; 3 cr.

A course on aspects of membrane transport processes across symmetrical and asymmetrical cell membranes, electrophysiology, membrane potentials, action potentials in excitable cells, synaptic transmissions, and excitation-contraction coupling in muscles. *Annually.*

PHYL 246 Physiology for Nursing Degree Students and Undergraduates 48; 4 cr.

A course that outlines fundamental principles of human physiology and the mechanisms governing the function of different body organs. *Prerequisite: BIOL 201 or BIOL 210. Annually.*

PHYL 300 Homeostasis

Similar to PHYL 200. *Offered to graduate students.*

