Department of Human Morphology

Chairperson: Saadé, Nayef
Professors: El-Sabban, Marwan; Jurjus, Abdo; Saadé, Nayef
Associates: Ghafari, Joseph; Kibbi, Abdul-Ghani

The Department of Human Morphology offers courses to medical students in the Faculty of Medicine and the School of Nursing, in addition to graduate courses in the graduate program leading to the MS degree.

Students applying to the graduate program should hold a Bachelor of Science degree or its equivalent. The department may ask for specific prerequisites in certain disciplines such as biology and chemistry as deemed necessary.

HUMR 207  Gross Anatomy  24.198; 7 cr.
A regional dissection of the entire human body supplemented by embryology, clinical lectures, and discussions. The student is also introduced to radiographic anatomy based on various imaging modalities, in addition to computer-assisted instruction. Required of all medical students.

HUMR 209  Basic Histology  58.69; 6 cr.
A study of the cells, tissues, and organs of the human body at the level of the light and electron microscopes, utilizing traditional and advanced methodologies. Structure is related to function with some clinical application. Required of all medical students.

HUMR 246  Human Morphology for paramedical students  32.32; 3 cr.
An introduction to basic gross anatomy and histology. Offered to Nurses and other undergraduate students. Required of all nurses in the BS program.

HUMR 305  General Histology  30.33; 3 cr.
A course that consists of the first half of Basic Histology, HUMR 209, covering basically cells and tissues. Open to graduate students outside the department.

HUMR 306  Organ Histology  28.36; 3 cr.
A course that consists of the second half of Basic Histology, HUMR 209, covering organs and systems. Open to graduate students. Prerequisite: HUMR305 or its equivalent.

HUMR 307  Gross Anatomy
The same as HUMR 207. Offered to graduate students in the department.

HUMR 308A  Neuroanatomy  28.39; 3 cr.
The neuroanatomy component of Neuroscience, IDTH 208. Offered to graduate students.

HUMR 309  Basic Histology  58.69; 6 cr.
Similar to HUMR 209. Offered to all graduate students in the department.
HUMR 310  Methods in Morphology  0.64; 2 cr.
A guided laboratory course in methods used in morphology and cell biology research. Open to graduate students.

HUMR 312  Anatomy Tutorial  0.64; 2 cr.
A guided literature review of special research topics.

HUMR 313  Directed Reading and Research  0.32-96; 1-3 cr.
Specific reading and research assignments under supervision of an adviser. At the discretion of the thesis supervisor.

HUMR 314/315  Research Seminar  0.32; 1 cr.
Presentation and discussion of timely research topics designated by members of the department.

HUMR 316  Principles of Electron Microscopy  32.0; 2 cr.
Lectures on, and demonstration of, basic techniques of electron microscopy. Alternate years.

HUMR 318  Principles of Histochemistry  16.48; 3 cr.
Lectures, demonstration, and laboratory work related to the principal techniques of histochemistry, including immuno-histochemistry. Prerequisite: HUMR 305 or HUMR 309.

HUMR 346  Human Morphology for graduate students  48.32; 4 cr.
A course that includes the embryology component of HUMR 207, the whole of HUMR 246, and an experimental anatomy part.

HUMR 397/398  MS Thesis  9 cr.
Original research under faculty supervision leading to the MS degree.

IDTH 319  Biology of Nerve and Muscle  
Equivalent to IDTH 309. See Interdepartmental Teaching.

HUMR 260  Elective in Human Morphology  0.180-360
An elective for Medicine III and IV in which the student can select one or more disciplines within the department including applied immunology, general surgical anatomy, radiographic anatomy, experimental neuroanatomy, neuromuscular disorders, techniques for study of cells and tissues, and experimental neuropathology. One to two months.

HUMR 261  Elective in Basic Neuroscience  0.180-360
Open to Medicine III and IV students, graduate students in the combined MS-MD program and visiting medical students. The objective of this elective is to involve the students in a basic research project as part of the on-going studies in the neuroscience research laboratories of the Departments of Physiology and Human Morphology. These laboratories serve as a core to the interfaculty Graduate Neuroscience Program. The current research involves interfaculty collaboration among faculty members in various basic and clinical neuroscience fields as well as biology and electrical engineering. Students present a seminar about their work and evaluation of the elective is based on close observation of performance.