

YEARS 1 & 2 ELECTIVE COURSE

TITLE: Advanced Dissection and Study in Anatomy

COURSE NO.: SOMN 601

DEPARTMENT: Medical Education – Gross Anatomy

DURATION: 10 weeks

DIRECTOR: Patrick W. Frank, DC

SEMESTERS AVAILABLE: All

NUMBER OF STUDENTS: 5 or permission of Instructor

LOCATION: Laboratory of Anatomical Sciences, Block Health Science Building

COORDINATOR: Patrick W. Frank, DC

FACULTY: Patrick Frank, B.A, B.S, D.C; Adel Maklad, M.D., PhD; Hamoun Delaviz, M.D.

GENERAL DESCRIPTION: The elective provides the student an opportunity to review, refine, and consolidate their understanding of human anatomy through skilled dissection and literature review of clinical conditions related to the area of dissection.

Each student, in consultation with an instructor, should determine an area (or areas) of interest for dissection and develop an individual plan of study. During the execution of the plan of study and dissection, the student is expected to be present in the laboratory an average of two hours per day, five days per week (10 hours per week). The student is also expected to perform independent reading in the area(s) of study. The readings should include both basic and clinical science topics relevant to the topic chosen. The student may be requested/required to make a formal presentation of information related to the topics covered during the course.

EDUCATIONAL OBJECTIVES:

1. Using appropriate materials, the student should be able to describe/demonstrate the anatomic structures relevant to their chosen area of study/dissection.
2. The student should be able to explain the anatomical basis for the physiologic changes of the tissues and organs relevant to their chosen area of study.
3. Using appropriate materials, the student should be able to explain the clinical significance of alterations in the morphology of the structures relevant to their chosen area of study.

METHODS OF TEACHING: Dissection and small group discussion

METHODS OF EVALUATION AND STUDENT FEEDBACK:

- Evaluation of dissection and participation in small group discussions
- Orally presented paper/projects
- Quiz on the dissected material
- Attendance

LINKAGE TO CORE COMPETENCES:

MK-1, MK-2, MK-3

Using appropriate materials, the student should be able to describe/ demonstrate the anatomic structures relevant to their chosen area of study/dissection.

The student should be able to explain the anatomical basis for the physiologic changes of the tissues and organs relevant to their chosen area of study.

MK-4, MK-5, PBL-7

Using appropriate materials, the student should be able to explain the clinical significance of alterations in the morphology of the structures relevant to their chosen area of study

PROFESSIONALISM: Students will meet the institutional standards for professionalism as stated in the current Competencies for Graduation. (MK-14, PB-2, PB-4, PB-8)

LIFELONG LEARNING: Students are expected to meet the institutional core competences for lifelong learning as stated in the current Competencies for Graduation. (IPC-1, IPC-2, IPC-3, PBL-1, PBL-2, PBL-3)

PREREQUISITES: First or second year medical students in good academic standing and must have completed the basic gross anatomy component of Thread 2.