

Phase I Elective Description

Campus: Northeast (Grand Forks)

Elective Title: Advanced Medical Anatomy

Location of Elective: Grand Forks Anatomy Lab

Department: BIMD

Course Number: BIMD 9602-01

Other Phases That Can Enroll: No others

Preceptor(s): Chernet Tessema

Phase 1 Period(s) Offered: X Summer-I X Summer-II

Number of students per period: 2

Elective Length: 4 weeks

Course Prerequisites: Previous human dissection experience

Estimated # of Hours Required:

Face-to-Face/Zoom 40 hrs/week Independent/Asynchronous (see below)

Face-to-Face/Zoom hours may occur on Weekend when laboratory responsibilities are required

Face-to-Face/Zoom hours may occur on after 5pm when laboratory responsibilities are required

Purpose: The goal of the anatomy elective is to provide advanced gross anatomy experience for data collection on human anatomical variations through cadaver dissection and preparation of a manuscript for publication (if possible).

Objectives: Following successful completion of this elective, the student will be able to:

1. Execute the dissection of human cadavers including identifying and explaining normal/variant gross anatomical structures (competency 2.3, 3.6).
2. Execute the use of basic imaging technology (photography, videography, picture and image processing, etc.) to illustrate normal and variant structures (competency 1.7, 2.3).
3. Generate a presentation for relevant experience(s) and/or produce poster or publication manuscript for uncommon variant finding(s) (competency 1.8)

Instructional Activities: During this elective, the student will be involved in/experience:

1. Attending all departmental seminars when possible and all laboratory meetings convened by the host mentor. If not possible, please provide an excused absence from the mentor.
2. Complete the campus wide required and relevant biological safety training if not already completed (i.e., biological waste disposal, shrapnel handling and disposal, etc.)
3. Dedicate a minimum of 40 hours per week to the laboratory objective.
4. Prepare a poster presentation for the forthcoming Frank Low Day research symposium and a manuscript for publication in a case of significant variant finding.

Grading for this elective is Satisfactory/Unsatisfactory.

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS phase I elective evaluation form.
2. By direct observation of the student's work in the anatomy laboratory evaluate their completion of objectives 1-2.
3. By direct review of the student's prepared presentation or publication evaluate the student's completion of objective #3.