

GENETICS, CELL BIOLOGY & ANATOMY (GCBA)

GCBA 571 STRUCTURE OF THE HUMAN BODY 9 Credit Hours

Students of human anatomy are introduced to the terminology of Anatomy, in particular, and medicine in general. In the Gross Anatomy Laboratory, the human body is studied systematically and the three-dimensional relationships of structures are observed and related to their function. The gross anatomy laboratory is equipped with a computer at each table and access to an Interactive Dissecting Guide online with links to atlas plates to facilitate the learning process. Self-learning while dissecting a cadaver is the basis of the study of gross anatomy. Faculty members will assist in all laboratory sessions and will present some demonstrations. Lectures are limited and will emphasize application of anatomic knowledge to clinical medicine. Gross Anatomy is taught synchronously with Embryology in order to provide students with understanding about the configuration of adult anatomy. Running concurrently with the gross anatomy course is a Neuroanatomy component with weekly lectures. Grades from the mid-term and final exams will be added to the points from the regular gross anatomy course. Students are responsible for reading the designated material prior to each lecture. Throughout the seventeen weeks of the program, particular emphasis is placed on "Living Anatomy" as a corollary to anatomy learned in the dissecting room. Living anatomy is designed to reinforce knowledge obtained in the dissecting room by demonstrating that many structures in the human body may be palpated and/or tested in the living. Although designed as a supplement to Gross Anatomy, many of the tests performed and techniques learned will serve as an introduction to the techniques of Physical Diagnosis. Throughout the program, appropriate clinical correlations are emphasized to form the basis of the clinical procedures students will eventually perform. In selected cases, pathological processes are examined and related to the anatomical information presented in the course. Students are encouraged to seek an anatomical solution to clinical problems where one exists. Students may make use of a wide variety of audio-visual materials and other teaching aids. This material is available in the Holyoke-Latta Anatomy Self-Study Center which is located in the room adjacent to the Gross Anatomy Laboratory. Independent study is both encouraged and necessary. Students are provided ample opportunities to reinforce, amplify and employ their classroom experiences.

Prerequisite: Enrollment in the Physician Assistant Program

Typically Offered: FALL