Clinical Anatomy Course Descriptions:

**Semester One**

**Human Gross Anatomy, CAN 602** 7 cr. hrs.
Detailed structure of the human body. Dissection of the cadaver combined with conferences, lectures, and assigned readings. 4R, 9L. P: IC

**Clinical Embryology, CAN 626** 2 cr. hrs.
This is a course in human anatomy designed to provide students with insight into the important correlation between human development anatomy and gross anatomy. The course will cover development of all of the systems of the body. The fetus, placentation, birth and delivery also will be dealt with. Major congenital malformations will be discussed in detail. P: IC.

**Current Topics in Clinical Anatomy, CAN 792** 2 cr. hrs.
Provides a discussion group which is focused on current literature in clinical anatomy, surgery, pathology and radiology as it directly pertains to the study and clinical application of anatomy in the health sciences. P: IC.

**Semester Two**

**Human Neuroanatomy, CAN 630** 4 cr. hrs.
The students in this course will have the opportunity to study the gross and histological anatomy of the central and peripheral nervous systems. The course will include dissection of the brain and spinal cord and study of the circulatory system of the central nervous system. The students also will study basic neurology. P: IC.

**Current Topics in Clinical Anatomy, CAN 792** 2 cr. hrs.
Provides a discussion group which is focused on current literature in clinical anatomy, surgery, pathology and radiology as it directly pertains to the study and clinical application of anatomy in the health sciences. P: IC.

**Clinical Rotations in Surgery, Radiology, Pathology, CAN 640** 2 cr. hrs.
This course provides opportunities to experience day to day applications of gross anatomy in the clinical specialties of surgery, radiology, and pathology. Weekly discussions of the various cases will be held during which the pertinent anatomical correlations will be analyzed as will methods of best conveying to health sciences students the clinical information gained. Students will be expected to write a synopsis of each case and conduct the necessary literature research for a current relevant bibliography. P: IC.

**Educational Techniques in Clinical Anatomy, CAN 645** 2 cr. hrs.
The opportunity to design and implement educational techniques appropriate for lecture, small group, and laboratory applications. Each student will prepare and deliver two formal lectures which will be videotaped and constructively critiqued by faculty and peers. Approaches to computer-aided educational techniques will be considered as will specific teaching strategies for traditional lectures and tutorials. P: IC.
**Semester Three**

Anatomical Techniques and Topics, CAN 629 2 cr hrs.
The proper preparation, care and preservation, for gross anatomical specimens will be dealt with. Techniques by which individual systems and tissues may be demonstrated and used by the students in this course. These techniques will include latex and corrosion casting, prosection preparation, and long-term preservation of specimens. Students will learn basic embalming techniques and formulation of preservation fluids. Management of body donation programs and interaction with the public will be discussed as will the ethics of human tissue use. The management and safe use of fresh tissue dissection facilities will be discussed. Students will participate in the design of a modern facility for clinical anatomy study. P: IC.

Current Topics in Clinical Anatomy, CAN 792 2 cr. hrs.
Provides a discussion group which is focused on current literature in clinical anatomy, surgery, pathology and radiology as it directly pertains to the study and clinical application of anatomy in the health sciences. P: IC.

Educational Techniques in Clinical Anatomy, CAN 645 2 cr. Hrs.
The opportunity to design and implement educational techniques appropriate for lecture, small group, and laboratory applications. Each student will prepare and deliver two formal lectures which will be videotaped and constructively critiqued by faculty and peers. Approaches to computer-aided educational techniques will be considered as will specific teaching strategies for traditional lectures and tutorials. P: IC.

**Semester Four**

Teaching Practicum in Human Anatomy, CAN 621 * 4 cr. hrs.
Practical experience in teaching human gross anatomy. The students will demonstrate the prosected bodies which they dissected during the previous summer. Each student will also assist with tutorials, test preparation and grading. Students will be required to prepare for each laboratory session and to actively assist the first-year medical students in the laboratory. Students will be evaluated by the medical students as well as by the course faculty. P: IC.

* Tuition waived

Current Topics in Clinical Anatomy, CAN 792 2 cr. hrs.
Provides a discussion group which is focused on current literature in clinical anatomy, surgery, pathology and radiology as it directly pertains to the study and clinical application of anatomy in the health sciences. P: IC.

Independent Research in Clinical Anatomy, CAN 797 2 cr. hrs.
Original investigation under supervision and guidance of individual staff members. Laboratory and conferences. P: IC.

* Tuition waived