

**Gross Anatomy Imaging and Embryology (GIE)  
Course Objectives**

The purpose of this course is three-fold: First, to provide students with an understanding of human anatomy – the basic science devoted to the study of structure-function relationships between body parts that can be observed by the naked eye; second, to be able to translate this understanding to radiographic images of the human body; and third, to appreciate how the human form arises during embryogenesis and fetal life.

Specifically, students will be expected:

1. To learn the vocabulary which describes the gross structure of the human body.
2. To participate in and complete a cadaveric dissection of a human body.
3. To use the information gathered in class, in the cadaver lab, and in the assigned readings to appreciate the human form.
4. To practice technical skills necessary for anatomical dissection as a prelude for future clinical experiences in surgery or related areas.
5. To demonstrate knowledge of common clinical problems associated with important anatomic structures.
6. To relate planar radiograms of normal structures to corresponding features revealed by dissection.
7. To relate CT and MR images of normal structures to corresponding features revealed by dissection.
8. To demonstrate knowledge of topographical anatomy of the extremities, trunk, head and neck regions.
9. To appreciate how common clinical malformations arise during embryonic and fetal development.