ANATOMY Lecture and Lab (CELL 649-02 and CELL 649-41)
Lecture-Monday 1-5pm                         Lab-Thursday 1-5pm
TCC 1                                            Reily: room 114
Course Director:  Dr. Garic Grisbaum
        4011 Percival Stern Hall
        ggrisba@tulane.edu
Office Hours:  By Appointment

Course Description:
The aim of this course is to provide students with a basic clinical understanding of the structural and functional organization of the human body at the gross (macroscopic) level. The course will include an introduction to anatomical terms, movement, and study tips, before moving to an overview of three body regions: Back, Upper Extremity, and Lower Extremity. While introducing these body regions an emphasis will be placed on the relationship between structure and function of these areas. This course is designed as a stand-alone subject for students wanting to pursue a career in the health sciences.

Students are expected to attend 8 hours per week of formal classes, which consists of lecture and lab. Each week there will be a quiz given at the beginning of class, followed by a 3 hour lecture. There will be a viewing, at the beginning of lab, of a pro-dissected human specimen with structures to be labeled by students. The students will be split up into groups of 3 and will dissect for 4 hours, latter in the week under the guidance of the instructor, who will direct the learning activities. Students doing dissection will be required to explain that area dissected to the instructor who will be present in the lab. Gross anatomy practicals will involve the identification of anatomical features on a dissected human specimen, bones, and overheads.

Required Texts and Lab Supplies:

Lecture

Snell, Richard S., Clinical Anatomy for Medical Students-7th Ed.

Sauerland, Eberhardt K., Grant’s Dissector-13th Ed.


Lab

Disposable Gloves
#4 scalpel handles and #22 blades
Lab coat
Aprons
Toothbrush container for scalpel
Grading and Policies:
All students are required to attend all classes and assigned lab unless they are ill or prevented from attending by exceptional circumstances. Preparedness and attendance are expected and will have a bearing on final grades. Be on time to class, do not bring cell phones, food or drink to class. **A small tape recorder is very useful and highly recommended.** If you are confused about something in class or lab, it is encouraged to ask questions. All students are expected to be familiar with and are required to adhere to all tenets of the **HONOR CODE** of Tulane University, which can be found in the Tulane Undergraduate Catalog.

Grading is as follows:

**30% Weekly Quiz**- There we be a quiz given at the beginning of every class, starting with the 2nd week. It will cover material presented the week before in lecture and lab.

**35% Test I**- Will encompass all material covered in lecture and lab, up to that point. The lecture portion will be multiple choice, short answer, essay, and matching. The lab practical will require students to identify labeled structures on the dissected human specimen, identification of overhead slides and bones.

**35% Test II**- Will be similar to Test I.

Course Schedule:

**Jan.** 22 Handout syllabus, general overview, study tips, lab assignments, and expectations. Introduction to Gross Anatomy, cadaver, anatomical terms, movement, basic structures (**Snell: 1-43**)

25 Lab meeting, introduction to cadaver upkeep, dissection, and bones

29 **Quiz #1** Vertebral Column, Ligaments and Membranes associated with the Vertebral Column, Muscles of the Back (Superficial and Intermediate) (**Snell: 66,485-487,923-935**)

**Feb.** 1 Lab: Dissection of above structures (**Grant’s: 1-9**)

5 **Quiz #2** Deep Muscles of the Back, Suboccipital Region, and Spinal Cord (**Snell: 936-950**)

8 Lab: Dissection and observation of structures associated with lecture (**Grant’s: 9-14**)
Quiz #3  Sternum, Clavicle, Ribs, Scapula, Pectoral Region, Breast, and Axilla (Snell: 49-53,457-475)

Lab: Dissection and observation of structures associated with lecture (Grant’s: 43-46, 19)

Mardi Gras NO LECTURE

Lab: Continue with dissection from previous labs, (clean and preserve structures)

Quiz #4  Brachial Plexus, Axillary Artery, Muscles of the Scapula, Rotator Cuff and Humerus (Snell: Chapter 9, 475-483,487-491) Chapter 9 is the Upper Ext. and we will cover up to the section on Joints over the next 6 lectures.

Mar. 1  Lab: Dissection and observation of structures associated with lecture (Grant’s: 15-22)

Quiz #5  Surface Anatomy, Cutaneous Nerves and Veins, Deltoid Region, Flexor Region of the Arm, and Extensor Region of the Arm (Snell: 499-511)

Lab: Dissection and observation of structures associated with lecture (Grant’s: 22-26)

TEST #1  Lecture Portion 1-5pm

TEST #1  Practical Portion 1-5pm

Spring Break

Spring Break

No Quiz  Cubital Fossa and Flexor Region of the Forearm (Snell: 512-529)

Lab: Dissection and observation of structures associated with lecture (Grant’s: 24-25,26-29)

Apr. 2  Quiz #6  Palm of the Hand and Review structures of the above Lecture with attachments and termination in the Palm (Snell: Ch. 9)

Lab: Dissection and observation of structures associated with lecture (Grant’s: 30-34)
Lab

We will divide up into groups, during our first lab session, and be assigned a cadaver.

You will have a lecture on the material to be dissected on the Monday, before your lab. You will be required to review the lecture material, in preparation for that week’s lab and for your quiz, the following week. Half of the cadaver will already be pro-dissected, and available for you to look at before you go to lab. There will be an identification list handed out to you before each lab. You are to dissect the assigned area and identify all things on your list. Anything that is on this list can be used for the practical. You are also required to read and be familiar with the dissection manual and atlas plates that correspond to that week’s lab, prior to Thursday’s lab. You should also be using lab time to go over individual bones that are in the bone box, which will also be used for your lab practical. You are encouraged to go to lab and look at bones and the dissection being done by your fellow students because all specimens will be on the practical.

Web sites for Anatomy

1.  [www.meddean.luc.edu/lumen/meded/grossanatomy/index.htm](http://www.meddean.luc.edu/lumen/meded/grossanatomy/index.htm)

2.  [www.gwc.maricopa.edu/class/bio201/muscle/mustut.htm](http://www.gwc.maricopa.edu/class/bio201/muscle/mustut.htm)

3.  [www.med.umich.edu/lrc/Hypermuscle/Hyper.html](http://www.med.umich.edu/lrc/Hypermuscle/Hyper.html)


5.  [www.ptcentral.com/muscles/musclelegs.html#gluteal](http://www.ptcentral.com/muscles/musclelegs.html#gluteal)