

MEDS 320: HUMAN CADAVERIC ANATOMY

Instructor Information

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Class Meetings

Tuesday and Thursday, from 2:00-3:50PM

Classes meet either in VKC 101 or the Cadaver Facility (BMT Ground Floor, Health Science Campus). See Calendar for a listing of location for each class meeting. I hold office hours for one hour before each lab, in BMT 403, and by appointment (office hours scheduled by appointment can be held on the University Park Campus).

Introduction and Purpose

A fundamental understanding of human anatomy is an essential component in the training of individuals who wish to pursue a career in health care fields. This course is designed to provide comprehensive knowledge of the major regions of the human body (Thorax, Abdomen, Pelvis and Perineum, Head and neck, and Extremities) through the use of lectures, cadaveric demonstrations, and clinical cases. Upon successful completion of this course, the student should be able to demonstrate a working knowledge of:

1. Appropriate anatomical terminology, principles, relationships, radiographic imaging, and functions of the human body
2. Basic anatomical principles related to structure and function of the various regions of the human body
3. Basic clinical disorders, diseases, and applications, associated with each topic
4. Integration of principles from different systems
5. Critical evaluation of anatomical and functional principles

Course Requirements and Grades

Textbooks

There is no single, specific written resource that is required for this course. Our primary resource will be the human specimens examined in the cadaver facility at USC. Nonetheless, to succeed in the course, you will need a written text resource from which to review and study at home.

I recommend *Gray's Anatomy for Students* if you are looking for a good Anatomy text aimed at medical (or pre-medical) students. USC has a site license for the electronic version of *Gray's Anatomy for Students*, so you should be able to obtain a PDF version and/or HTML access for

free. Contact the USC libraries for more information. Most of my lecture images are taken from *Gray's Anatomy for Students*. *Clinically Oriented Anatomy* by Keith Moore is also a strong text (and is the one used for Human Gross Anatomy for medical students in their first and second years in the Keck School of Medicine). Some students prefer to study from an Atlas, instead. The standard is Netter's Atlas, but Grant's Atlas also comes highly recommended. Examples of these written resources are available for viewing in my office (BMT 403).

Because these are recommended resources that you may obtain at your own discretion, they will not be stocked at the USC Bookstore. They can all be ordered through Amazon and other major book dealers. I am happy to help students locate a resource if need be.

The course will consist of lecture topics that incorporate and emphasize key features of clinical interest, and lab lectures/demonstrations on freshly dissected human specimens in the HSC Anatomy Lab. The anatomy of each major body division will be presented over multiple lectures. Most weeks will include a Tuesday lecture and a Thursday cadaver unit. There will be some Tuesday cadaver units, as well.

Grading Scale and breakdown:

A 93-100%; A- 90-92%; B+ 87-89%; B 83-86%; B- 80-82%

C+ 77-79%; C 73-76%; C- 70-72%; D+ 67-69%; D 63-66%; D- 60-62%; F - 0-59%

Attendance at lectures and laboratories, and active discussion of the clinical cases as they relate to the anatomy is expected of all students.

Grades will be based on performance as follows:

20% Attendance and participation

40% Midterm exam

40% Final exam

The final exam will be cumulative with regards to anatomical systems (example: autonomic nerves), but it will include only the regional anatomy covered after the midterm exam. Each examination will have two parts, a theory portion based on reading and lecture material, and a practical exam portion where questions are asked based on cadaveric material (pinned structures). Questions will be multiple choice (theory) or pin number response (practical exam).

COURSE CALENDAR

Week 1

TU 08-22	Dr. Habib in Dinosaur Provincial Park Recorded Lecture: Introduction to Peripheral Nerves Location: n/a
TH 08-24	Dr. Habib in Dinosaur Provincial Park Recorded Lecture: Thoracoabdominal Wall Location: n/a

Week 2

TU 08-28	Lecture: Course Introduction Location: VKC 101
TH 08-30	Lecture: Spinal Cord and Vertebral Column Location: VKC 101

Week 3

TU 09-04	Lecture: Thoracoabdominal Wall Location: VKC 101
TH 09-06	Lab: Introduction to Cadaver Lab Location: HSC Cadaver Lab, BMT

Week 4

TU 09-11	Lecture: Cardiopulmonary Anatomy, Part 1 Location: VKC 101
TH 09-13	Lecture: Cardiopulmonary Anatomy, Part 2 Location: VKC 101

Week 5

TU 09-18	Lecture: Cardiopulmonary Anatomy, Part 3 Location: VKC 101
TH 09-20	Lab: Thoracic Anatomy Location: HSC Cadaver Lab, BMT

Week 6

TU 09-25	Lecture: Review Lecture Location: VKC 101
TH 09-27	Lab: Thoracic Anatomy Location: HSC Cadaver Lab, BMT

Week 7

TU 10-02	Lab: Thoracic Anatomy Location: HSC Cadaver Lab, BMT
TH 10-04	Lab: Thoracic Anatomy Location: HSC Cadaver Lab, BMT

Week 8

TU 10-09	Lab: Heart Variation and Review Location: HSC Cadaver Lab, BMT
TH 10-11	MIDTERM EXAM (Thoracic Anatomy) Location: HSC Cadaver Lab, BMT

Week 9

TU 10-16	Dr. Habib in New Mexico (Conference) Recorded Lecture: Abdominopelvic Vasculature Part 1 Location: n/a
TH 10-18	Dr. Habib in New Mexico (Conference) Recorded Lecture: Abdominopelvic Vasculature Part 2 Location: n/a

Week 10

TU 10-23	Lab: Abdominopelvic Anatomy Location: HSC Cadaver Lab, BMT
TH 10-25	Lab: Abdominopelvic Anatomy Location: HSC Cadaver Lab, BMT

Week 11

TU 10-30	Lecture: Cranial Nerves I-VI and Orbit Location: VKC 101
TH 11-01	Lab: Head and Neck Location: HSC Cadaver Lab, BMT

Week 12

TU 11-07	Lecture: Cranial Nerves VII-XII and Ear Location: VKC 101
TH 11-09	Lab: Head and Neck Location: HSC Cadaver Lab, BMT

Week 13

TU 11-13	Lecture: Cranial Vasculature Location: VKC 101
TH 11-15	Lab: Head and Neck Location: HSC Cadaver Lab, BMT

Week 14

TU 11-20	Dr. Habib in New York (Conference) Location: n/a
TH 11-22	THANKSGIVING RECESS

Week 15

TU 11-27	Lecture: Brachial Plexus Location: VKC 101
TH 11-29	Lab: Limb Anatomy Location: HSC Cadaver Lab, BMT

XX XX-XX	FINAL EXAM (X:00PM) - HSC Cadaver Lab, BMT
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Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Statement on Academic Integrity

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. *Scampus*, the Student Guidebook, contains the Student Conduct Code in Section 11.00, while the recommended sanctions are located in Appendix A: <http://www.usc.edu/dept/publications/SCAMPUS/gov/>. Students will be referred to the Office of Student Judicial Affairs and Community Standards for further review, should there be any suspicion of academic dishonesty. The Review process can be found at: <http://www.usc.edu/student-affairs/SJACS/>.

Emergency Preparedness/Course Continuity:

In case of emergency, and travel to campus is difficult, USC executive leadership will announce an electronic way for instructors to teach students in their residence halls or homes using a combination of Blackboard, teleconferencing, and other technologies. Instructors should be prepared to assign students a "Plan B" project that can be completed at a distance. For additional information about maintaining your classes in an emergency please access: <http://cst.usc.edu/services/emergencyprep.html>

Please activate your course in Blackboard with access to the course syllabus. Whether or not you use Blackboard regularly these preparations will be crucial in an emergency. USC's Blackboard learning management system and support information is available at blackboard.usc.edu.