Meds 320: Human Cada Veric Anatomy

Instructor Information
Michael B. Habib
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Phone: (323) 442-1298
Email: habibm@usc.edu

Class Meetings
Tuesday and Thursday, from 3:00-4:50PM

Classes meet either in Hastings Auditorium (HMR Building) or the Cadaver Facility (BMT Building). See Calendar for a listing of location for each class meeting. Both locations are on the Health Science Campus of USC.

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. Most of my lecture images are taken from that resource. Clinically Oriented Anatomy by Keith Moore is also a strong text. 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.

I will also create a list of appropriate readings in AnatomyOne, which is an entirely online resource. AnatomyOne was recently released, and a subscription can be purchased at: http://www.anatomyone.com/. The version that includes a dissector is not necessary for this course, but you may find it informative (or useful in the future as a medical student). More information on using AnatomyOne will be provided on at the beginning of the course.

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 - 90-100%; B - 80-89%; C - 70-79%; D - 60-69%; 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:

10% Attendance and participation

40% Midterm exam

50% 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

<table>
<thead>
<tr>
<th>Course Introduction</th>
<th>Location: Hastings Auditorium, Hoffman Medical Research Building</th>
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<tbody>
<tr>
<td>Chest Wall, Pleural Cavities, and Lungs</td>
<td>Location: Cadaver Lab, Bishop Medical Teaching Building</td>
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### Week 2

<table>
<thead>
<tr>
<th>Peripheral Nerves and Spinal Cord</th>
<th>Location: Hastings Auditorium, HMR</th>
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<tr>
<td>Spinal Cord and Vertebral Column</td>
<td>Location: HSC Cadaver Lab, BMT</td>
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### Week 3

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<thead>
<tr>
<th>The Heart and Pericardium</th>
<th>Location: Hastings Auditorium, HMR</th>
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<tr>
<td>Lungs and Thoracic Wall</td>
<td>Location: HSC Cadaver Lab, BMT</td>
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### Week 4

<table>
<thead>
<tr>
<th>TU 02-04</th>
<th>Cardiac Anatomy Part 1</th>
<th>Location: HSC Cadaver Lab, BMT</th>
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<tbody>
<tr>
<td>TH 02-06</td>
<td>Cardiac Anatomy Part 2</td>
<td>Location: HSC Cadaver Lab, BMT</td>
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### Week 5

<table>
<thead>
<tr>
<th>Abdominal Blood Flow</th>
<th>Location: Hastings Auditorium, HMR</th>
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<tr>
<td>Abdomen and Abdominal Wall Part 1</td>
<td>Location: HSC Cadaver Lab, BMT</td>
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Week 6

Abdomen and Abdominal Wall Part 2
Location: HSC Cadaver Lab, BMT

Abdomen and Abdominal Wall Part 3
Location: HSC Cadaver Lab, BMT

Week 7

Review Session
Location: HSC Cadaver Lab, BMT

TH 02-27  MIDTERM EXAM

Week 8

Reproductive Anatomy
Location: Hastings Auditorium, HMR

Pelvic Vasculature
Location: HSC Cadaver Lab, BMT

Week 9

SPRING BREAK

Week 9

Pelvis and Perineum Part 1
Location: HSC Cadaver Lab, BMT

Pelvis and Perineum Part 2
Location: HSC Cadaver Lab, BMT
Week 10

Cranial Nerves Part 1
Location: Hastings Auditorium, HMR

Cranial Nerves Part 2
Location: Hastings Auditorium, HMR

Week 11

Endocranium Part 1
Location: HSC Cadaver Lab, BMT

Endocranium Part 2
Location: HSC Cadaver Lab, BMT

Week 12

Cranial Blood Supply
Location: Hastings Auditorium, HMR

Brain
Location: HSC Cadaver Lab, BMT

Week 13

Brachial Plexus
Location: Hastings Auditorium, HMR

Limb Anatomy (emphasizing Brachial Plexus)
Location: HSC Cadaver Lab, BMT

Week 14

Review
Location: HSC Cadaver Lab, BMT

Review
Location: HSC Cadaver Lab, BMT

FINAL EXAM
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.