

ANAT 6181 SYLLABUS
HUMAN GROSS ANATOMY
LECTURE: TUESDAYS & THURSDAYS 2:20-3:35 PM
GROSS LAB TIMES: 3:45-5:00PM

COURSE DESCRIPTION

Students will learn structural organization of the human body and the relationship of the organization to regional and systems-related functions. Students will apply normal anatomical structure/function relationships to understand clinical implications of disease or injury. Students will use the laboratory for cadaveric dissection in order to learn anatomical relationships and for learning basic knowledge of radiographic imaging. Cadaveric dissection is supported with the department's NetAnatomy website.

LEARNING OBJECTIVES

- 1) Explain the structure and function of each of the organ systems (e.g., musculoskeletal, cardiovascular) in relation to the anatomical regions of the human body.
- 2) Compare and contrast differences between each region of the human body and the functional significance within and between those differences.
- 3) Apply anatomical knowledge of the structure and function of the organ systems in the human body to common injuries and illnesses.

CREDIT HOURS

This course worth **4 credit hours**

ATTENDANCE

Attendance to lecture and lab is **EXPECTED**. Due to the unique circumstances of the Pandemic, students should follow COVID 19 protocols set by the school. Please notify Dr. DeVaul if you are unable to attend class or lab.

PREREQUISITES

GCATS/MATS program or permission of the course director

LECTURE CONTACT TIME/HOURS

1 hour and 15 minute sessions, twice per week of lecture time (total of 150min/week)

2 lab sessions per week, each 75 min each (total of 150min/week)

AVERAGE MINIMUM OF OUT-OF-CLASS OR INDEPENDENT LEARNING EXPECTED PER WEEK: 300 min/week

GROSS ANATOMY LAB

ANAT 6181 students will have the opportunity to dissect regions of the human body corresponding to lecture content. Laboratory time will also be used to learn major bony landmarks and radiology associated with the content of the course. See lab schedule on Blackboard.

You will need to complete a **Lab Safety Quiz** prior to the first lab session.

What to wear: scrubs OR old clothes and closed-toe shoes. Legs must be covered so please wear some type of pants. Your shoes will get dirty so please don't wear nice shoes. You may choose to throw out your close at the end of the semester so please choose something you don't care too much about.

METHOD OF ASSESSMENT

This course is graded on a point system. Every question (quiz/exam) is worth **0.5-1 point**, Total possible points for this course: **TBD- dependent on lab practicals**

Four (4) written multiple-choice, short answer, fill-in-the blank exams.

Six (6) Blackboard ID Quizzes using cadaveric images from NetAnatomy, multiple choice, *open note but must be completed individually*.

Two (2) Lab Practical Assessments, fill-in-the-blank.

Seven (7) PreWork Assessments, you **must be in class** to complete, multiple choice.

Ten (10) PreLab Quizzes, you **must be in lab** to complete, multiple choice.

Assessment	Points
Written Exam 1	24 (Intro, Head & Neck)
Written Exam 2	48 (Upper Limb & Thorax)
Written Exam 3	48 (Abdomen and Lower Limb)
Written Exam 4- Cumulative	50 (Pelvis and Cumulative Questions)
Lab Practical 1	TBD (Head & Neck, Upper Limb, Thorax)
Lab Practical 2	TBD (Abdomen, Lower Limb, Pelvis)
ID Quizzes 6 Total	85 (10 Quiz 1, 15 each for the rest)
In Class PreWork Assessments 7 total (3 questions each)	10.5 Total (each question is worth 0.5 points) <i>Complete all 7 and receive 5 points extra credit</i>
Pre-Lab Quiz 10 Total (2 questions each)	10 Total (each question is with 0.5 points) <i>Complete all 10 and receive 5 points extra credit</i>

*Points are subject to change; students will be informed of any changes.

Grade Scale for Graduate Students:

A (4.0) = 90 – 100

B (3.0) = 80.0 – 86.9

C (2.0) = 75 – 77.9

A- (3.7) = 89.0 – 89.9

B- (2.7) = 79.0 – 79.9

C- (1.7) = 72 – 74.9

B+ (3.3) = 87.0 – 88.9

C+ (2.3) = 78 – 78.9

F (0) = <71.9

Grades of D+, D, and D-, are not used for graduate students at GW. Grades are rounded to the nearest tenth point.

FACULTY:

Nicole DeVaul, Ph.D., M.A., (Graduate Course Director), Assistant Professor, Department of Anatomy & Cell Biology; Ross Hall 403b, ndevaul@email.gwu.com, 202-994-2884

Marc Spencer, Ph.D., (Undergraduate Course Director), Assistant Professor, Department of Anatomy & Cell Biology; Ross Hall 402A, marc_spencer@email.gwu.edu, 202-994-1115

Victor Taylor, Ph.D., (Lecturer & Lab Instructor), Assistant Professor, Department of Anatomy & Cell Biology; Ross Hall 461A, vvtaylorii@email.gwu.edu, 202-994-1006

Andrew Ferriby, Ph.D. Lecturer & Lab Instructor), Assistant Professor, Department of Anatomy & Cell Biology; Ross Hall 462A, andrew.ferriby@gwu.edu, 202.974.4767

TEXTBOOKS

It is NOT NECESSARY to purchase a textbook or atlas; however, a new or used copy of an atlas of human anatomy may facilitate the course learning objectives.

- Electronic copies of human anatomy texts and atlases are available through Himmelfarb Library: <https://guides.himmelfarb.gwu.edu/c.php?g=27721&p=169982>
- **NetAnatomy**: Excellent online resource for labeled cadaveric and radiological images; can be accessed while on the GW network or through the Himmelfarb library website. You must be connected to the VPN when off campus: <http://www.netanatomy.com/>
- **VPN Access**: <https://guides.himmelfarb.gwu.edu/offcampus/vpn>
- **Logging into GW Resources**: <https://guides.himmelfarb.gwu.edu/offcampus/logging-in>

READING LIST

Each lecture session will be accompanied by associated reference material. Those material may include: pre-session video recordings, instructor-written lecture notes, and/or chapter excerpts from electronic resources freely available either through Himmelfarb Library or elsewhere.

CLASS POLICIES:

Attendance policy: Strongly encouraged; lecture is meant to be as interactive as possible to facilitate learning and applying the material to real-world or otherwise relevant scenarios. *We will be unable to help students struggling with materials if they do not attend class.*

Religious holidays: will be accommodated if requested

NOTE: for university policies on teaching, see <http://www.gwu.edu/~academic/Teaching/main.htm>

ACADEMIC INTEGRITY

I personally support the GW Code of Academic Integrity. It states: "Academic dishonesty is defined as cheating of any kind, including misrepresenting one's own work, taking credit for the work of others without crediting them and without appropriate authorization, and the fabrication of information." For the remainder of the code, see: <http://www.gwu.edu/~ntegrity/code.html>

SUPPORT FOR STUDENTS OUTSIDE THE CLASSROOM

DISABILITY SUPPORT SERVICES (DSS)

Any student who may need an accommodation based on the potential impact of a disability should contact the Disability Support Services office at 202-994-8250 in Rome Hall, Suite 102, to establish eligibility and to coordinate reasonable accommodations. For additional information please refer to:

<https://disabilitysupport.gwu.edu/>

UNIVERSITY COUNSELING CENTER (UCC) 202-994-5300

GW's Colonial Health Center offers counseling and psychological services, supporting mental health and personal development by collaborating directly with students to overcome challenges and difficulties that may interfere with academic, emotional, and personal success. For additional information see <https://healthcenter.gwu.edu/counseling-and-psychological-services>

SAFETY & SECURITY

In case of an emergency, if at all possible, the class should shelter in place. If your building is affected, follow the evacuation procedures and seek shelter at a predetermined rendezvous location. GW Alert is the university's notification system that sends emergency text message and email alerts to the GW community. Students are requested to maintain current contact information by logging on to alert.gwu.edu. Download the GW Personal Alarm Locator (GW PAL), a mobile safety and security application that allows users to alert GYPD of a crime, report crime tips anonymously, provide a safety profile, and identify their location in real time. For more safety and security information and tips, visit <https://safety.gwu.edu/>

Grad Anatomy Spring 2020 Schedule

Lecture: Tuesday & Thursday **2:20-3:35**, **Ross Hall 117** unless noted below

Lab: Tuesday & Thursday 3:45-5:00, Ross 218

Week	Date/Room	Lecture Topic		Lab Topic
1	17 Jan	Introduction		Lab Safety & Meet the Cadavers
	19 Jan	Axial Osteology & Musculature (Spencer)		Intro to Dissection: Back
2	24 Jan	*Prework complete prior to session Central Nervous System (Spencer)	*Prework completed prior to session: fill out Cranial Nerve Chart	Back/Neck
	26 Jan	*Prework complete prior to session Neck—Neurovasculature & Pharynx (Spencer) ID Quiz 1 opens	*Prework completed prior to session: watch brief video on Deglutition *ID Quiz 1—Head & Neck opens	Neck & Bisected Heads
3	31 Jan	EXAM 1		NO LAB
	2 Feb	Upper Limb—Brachial Plexus (Spencer) ID Quiz 1 Due, 8pm	*ID Quiz 1 closes at 8 pm	Shoulder/Axilla
4	7 Feb	Upper Limb—Pectoral Girdle & Arm/Axilla (Spencer)		Arm/Forearm
	9 Feb	Upper Limb—Forearm & Hand (Spencer)		Forearm/Hand
5	14 Feb	*Prework complete prior to session REVIEW: Upper Limb- meet in lab ID Quiz 2 opens	*Prework completed prior to session: watch Upper Limb—Nerve Injuries of the Upper Limb (Spencer) *ID Quiz 2—Upper Limb opens	Review at 2:20
	16 Feb	Thorax—Chest Wall & Mediastinum (Ferriby)		Chest Wall
6	21 Feb	Thorax—Lungs & Respiratory System (Ferriby) ID Quiz 2 Due, 8pm	*ID Quiz 2 closes at 8 pm	Lungs, Mediastinum (remove heart but study 2/23)
	23 Feb	Thorax—Heart Anatomy (Ferriby)		Heart & Great Vessels
7	28 Feb	ASYNCHRONOUS- see lecture on Blackboard		Finish Dissection
	2 Mar	*Prework complete prior to session REVIEW: Thorax- meet in lab ID Quiz 3 opens	*Prework completed prior to session: watch Thorax—Cardiovascular System (Ferriby) *ID Quiz 3—Thorax opens	Review at 2:20 (H&N, Upper Limb, Thorax)
8	7 Mar	EXAM 2		Study for lab practical

	9 Mar	Abdomen—Abdominal Wall & Inguinal Canal (Taylor) ID Quiz 3 Due, 8pm	*ID Quiz 3 closes at 8 pm	Lab Practical 1
9	SPRING BREAK			
10	21 Mar	Abdomen—Foregut (Taylor)		Abdominal Wall Celiac Trunk
	23 Mar	Abdomen—Midgut & Hindgut (Taylor)		Celiac Trunk, SMA & IMA
11	28 Mar	*Pework complete prior to session REVIEW: Abdomen- meet in lab ID Quiz 4 opens	*Pework completed prior to session: watch Abdomen—Portal System & Urinary System (Taylor) *ID Quiz 4—Abdomen opens	Posterior Abd Wall & Review at 2:20
	30 Mar	Lower Limb—Osteology & Gluteal Region (Taylor)		Gluteal Region & Post. Thigh
12	4 Apr	Lower Limb—Thigh (Taylor) ID Quiz 4 Due, 8pm	*ID Quiz 4 closes at 8 pm	Remove skin of post. leg; Ant. & Med. Thigh
	6 Apr	Lower Limb—Leg & Foot (Taylor)		Ant/Post. Leg
13	11 Apr	Lower Limb- Joints and Nerve Injuries (Taylor)	*Pework completed prior to session	Finish Leg Dissection
	13 Apr	*Pework complete prior to session REVIEW: Lower Limb- <u>meet in lab at 3:45</u> ID Quiz 5 opens	*ID Quiz 5—Lower Limb opens	Review at 3:45
14	18 Apr	EXAM 3		No Lab
	20 Apr	*Pework complete prior to session- Quiz on 4/25 Pelvis—Female Pelvis (DeVaul) ID Quiz 5 Due, 8pm	*Pework completed prior to session: watch Pelvis—Osteology & Pelvic Viscera (DeVaul) *ID Quiz 5 closes at 8 pm	Female Prosection
15	25 Apr	Pework Quiz- Pelvis Overview Pelvis—Male Pelvis (DeVaul)		Male Prosection
	27 Apr	Pelvis—Female & Male Perineum (DeVaul) ID Quiz 6 opens	*ID Quiz 6—Pelvis opens	Perineum
16	May 2	REVIEW: Pelvis- meet in lab ID Quiz 6 opens		Review at 2:20 (Abd, Lower Limb, Pelvis)

17	TBD Final Exam (*Cumulative) & Lab Practical ID Quiz 6 Due May 5, 8pm	*ID Quiz 6 closes May 5 at 8 pm	
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