Course Syllabus & Schedule

Course Co-Directors

Office hours for both directors by appointment (contact to schedule)

Units 1 – 2 Lead Director

Caley M. Orr, PhD

Email: caley.orr@cuanschutz.edu

Units 3 – 4 Lead Director

Chelsea Lohman Bonfiglio, PhD ("Dr. B")

Email: chelsea.lohmanbonfiglio@cuanschutz.edu

REMOTE LECTURE ZOOM LINK

https://ucdenver.zoom.us/j/93174830315

Additional Regular Course Faculty

The individuals listed below are heavily involved in course activities (especially lab). Dr. Royer also directs our ultrasound labs. Please contact them directly for questions or assistance outside of scheduled class time.

Danielle Royer, PhD — Danielle.Royer@cuanschutz.edu
Briauna Blezinski, MS — Briauna.Blezinski@cuanschutz.edu
Chelsea Goldberg, MS — Chelsea.Goldberg@cuanschutz.edu

Radiology Faculty

The course will include five lectures covering radiographic imaging of the human body, provide by the following professionals. Content from these lectures will primarily be tested as images on the lab exams.

Thomas Borges, MD — Thomas.Borges@cuanschutz.edu
Kimi Kondo, DO — Kimi.Kondo@cuanschutz.edu

Lab Teaching Assistants

2nd year MHA students will assist you in the lab, set up optional lab practice practicals, and provide various assistance. You will have the opportunity to evaluate your TAs.

Jamie Ernewein — Jamie.Ernewein@cuanschutz.edu
Jessica Hoffman — Jessica.2.Hoffman@cuanschutz.edu
Ryan Wendell — Ryan.Wendell@cuanschutz.edu

Student Educators

Two 2nd year MHA students will each deliver a lecture and a review session as part of the ANAT 6490 – Advanced Teaching Experience in Gross Anatomy elective. They are supervised by the course director and other faculty in developing their contributions to this course. You will be asked to evaluate each student educator, as part of their professional development. Thank you in advance for providing detailed, thoughtful, constructive feedback to your peers.

Locations

Lecture and other Didactic Activities: Lectures and other non-lab activities will be held in person (see schedule for specific locations). However, contingent upon COVID-19 provisions, we will use the following Zoom link for remote learning as needed.

https://ucdenver.zoom.us/j/93174830315

Lab: South Dissection Lab; Ed 1 Bldg, 5th floor (badge access required). To study and complete dissections, you will be granted 24-hour access to the lab except 8am – 6pm on exam days or rare scheduling conflicts (e.g., with the MD program) that we will give you advanced warning about..

Bone Room: The Bone Room is available to you for studying osteology. It is located just outside the north door to the anatomy lab suite on the 5th floor. Your badges will give you 24-hour (except in rare cases where the schedule conflicts with other programs).

US Lab: Ultrasound labs will be held in the Bone Room and Simulation Room (also on the 5th floor of Ed1). Group assignments and times will be posted to Canvas.

Credits:

This is an 8 credit-hour course, with lecture and lab components. Successful completion of ANAT 6111 fulfills a core requirement of the MS Modern Human Anatomy program.

Course Description

The Human Gross Anatomy course examines the form and function of the human body at a macroscopic level. Detailed systems-based and regional anatomy lectures are complemented by introductory lectures on comparative anatomy and medical imaging. Labs provide the opportunity to dissect a complete cadaver, study skeletal material, and to have as well as hands-on sessions with ultrasound.

Prerequisites and Enrollment Restrictions

Students must be enrolled in the Master of Science in Modern Human Anatomy program or have special permission from a course director.

Canvas Site

All course materials and announcements will be posted on Canvas. It is your responsibility to monitor your Canvas notifications.

Course Organization & Learning Strategies

The course is divided into four units, each of which covers specific anatomical regions and introduces the major systems of the human body. Learning strategies include didactic lectures, active learning sessions, hands-on dissection labs, independent study of osteology, and ultrasound sessions..

Unit I: Back & Upper Limb

Anatomical Terms; Intro to Musculoskeletal, Circulatory, & Nervous Systems;

Regional Anatomy of the Back and Upper Limb

Unit II: Head & Neck

Basics Review of the Central Nervous System and Detailed Coverage of the Cranial Nerves

Regional Anatomy of the Head and Neck

Unit III: Thorax & Abdomen

Intro to Respiratory, Cardiovascular, and Digestive Systems;

Regional Anatomy of the Thorax and Abdomen

Unit IV: Lower Limb & Pelvis/Perineum

Urogenital and Reproductive Systems.

Regional Anatomy of the Lower Limb, Pelvis, Perineum, and Lower Limb

While the anatomical regions are distinct between Units, most of the systems have a good deal of overlap between units. For example, you will be introduced to fundamental concepts about the nervous system in Unit I, but we will also cover innervation in Units II-IV. This means that you will be required to build upon concepts from a previous unit.

You are expected to attend all classroom lectures, and actively participate in all cadaver dissections and hands-on ultrasound sessions. Specific learning objectives will be provided for each session, and an MHA Structure List for each lab will be posted on Canvas to help guide your study. It is your responsibility to come to class prepared for the day's activity.

Educational Goals & Learning Objectives

By the end of the course, you will be able to

- Employ appropriate anatomical terminology
- Describe the form and basic function of major systems in the human body:
    - Musculoskeletal system
    - Circulatory system
    - Nervous system
    - Respiratory system
    - Digestive system
    - Urogenital system
    - Reproductive system
- Identify (name and locate) major skeletal, muscular, vascular, and nervous structures in the following anatomical regions:
    - Back
    - Upper Limb
    - Head
    - Neck
    - Thorax
    - Abdomen
    - Pelvis & Perineum
    - Lower Limb
- Describe anatomical relationships between the major skeletal, muscular, vascular, and nervous structures in the anatomical regions listed above
- Use common medical imaging modalities to view and differentiate major anatomical structures and relationships
- Perform live ultrasound scans to view and differentiate major anatomical structures and relationships

Specific learning objectives will be provided for each classroom session, and a Structure List will be provided for each lab to help guide your study. These materials will be posted on Canvas.

Schedule

Class begins **Monday, January 24th 2022** and ends with the Final Exam on **Monday, May 16th 2022**. A detailed schedule is provided in this syllabus and posted on Canvas; ***please pay close attention to the Canvas Calendar, as meeting days, times, and locations may change***.

Attendance & Preparation

Dissection and ultrasound lab attendance is mandatory; other sessions are optional but strongly recommended. Please notify the course director and your table members if you have a valid absence from lab. Repeated absences may be discussed with MSMHA program leadership and your advisor.

For dissection, students are assigned to a specific table, each with its own cadaver; table assignments are final (see last page). All students are responsible for reading the Cadaver Dissection Guide (plus supplementary pages) in advance of each respective lab, and ensuring that each dissection exercise is fully completed, even if this means additional time outside of designed lab time. You are responsible for identifying all structures

listed in the MHA Structure List for each Unit, even if you did not identify or preserve a structure at your table. You will be tested on all cadavers in the lab, including the prosection cadaver. Please be ready to begin lab promptly at 1pm.

You are expected to undertake appropriate prior preparation for each classroom, and actively participate during each session. Some sessions will utilize an interactive team-based format or flipped classroom approach. You will be notified of these sessions and the required preparatory work ahead of time via Canvas Announcements.

Required & Recommended Course Materials

Please ensure that you have all the required materials no later than the first week of class.

Locker space is provided adjacent to the gross lab; please bring your own lock. You may leave items in the lab next to your assigned table; however, you do so at your own risk. The lab is a communal space.

Textbooks & Dissection Guides

Required

1. **Visible Human Dissector Pro (with Cadaver Dissection Guide)**
   Free!
   The CDG and VHD are available on all lab computers. Dr. Spitzer will provide this program free for use on your personal computer; look for an access code in your email in January. To report problems with VHD, or request a new access code, contact TOLTech Support (support@toltech.net) and notify them that you are in a course at CU-AMC.

Optional (recommended if you want something to supplement lecture, but ***TRULY OPTIONAL*** – no exam material will be based on material exclusively from these books)**:**

1. Essential Clinical Anatomy 5th (2015) OR 6th Edition (2019) Moore, Agur and Dalley (editors)

Look on Amazon and other retailers for discounts or gently used copies or rental. Limited copies of the book are available at the CU-AMC Bookstore. There will NO material from this book that is required to do well in the course. However, some students prefer to have a text that they can refer to for additional explanation or figures. The ECA will most closely match the content of this course.

Alternatively: the Essential Clinical Anatomy is the abridged version of **Moore's Clinically Oriented Anatomy (8th edition being most recent and 9th edition released in March 2022).** The unabridged version is more comprehensive with more detail than the abridged version. However, if you intend to teach gross anatomy professionally, it is an excellent resource and good addition to your library.

2. A regional anatomy atlas

One of: Grant's Atlas of Anatomy, Netter's Atlas of Human Anatomy, Rohen's Color Atlas of Anatomy

Any edition is suitable. Systems-based atlases are not recommended to guide dissection (e.g., Thieme). The lab has a copy of Grant's Atlas of Anatomy and the Thieme Atlas of Anatomy for each table. Most are greasy, so you won't want to take them home. There are atlases and other reference books available in the MHA suite.

Dissection Instruments

Used instruments will be available to you for **FREE** during the first week of class, including the Lab Orientation on day 1. Each lab group will be provided with new scissors and scalpel blades. There are also a selection of used sturdy, puncture-proof (hard-top) containers available to hold your group instruments.

Required: approximately 3-4 of each item below per dissection group, on-hand for each lab

- **Puncture-proof container for instruments** (1 per table at least)
- **Scalpel handles** (stainless steel #3 and #4 handles are recommended)
- **Scalpel blades** (approx. 2 blades per lab) **Be Sure Blades Fit Your Handles!** (e.g., #10 blades fit #3 handle; #20-22 blades fit #4 handle)
- **Forceps** (get a mix of sizes and tips: tissue/rat-toothed, blunt with serrated tips)
- **Hemostats** aka locking forceps
- **Scissors** (get a mix of large, rounded tips; Iris, small sharp scissor with pointed tips)
- **Blunt probe** (aka Mall probe; this is not the same as a pin or teasing needle!)
- **Puncture-proof (hard top) container for tools** (1 per table minimum)

Optional: Additional specialized dissection tools, dental cleaning tools and/or wax molding tools are also useful for cadaver dissection. If you plan to use these, please procure your own.
If you want to buy your own instruments: The AMC Bookstore sells dissection kits or you can shop around. You can purchase a pre-made kit, or put together your own. Pre-made kits often have items we don't use (e.g., pipet, teasing needle, plastic ruler). I encourage you to gather used instruments at the end of the semester, and donate them to the new incoming class. The links below provide some options.
Carolina Company Dr. Instruments Mopec Amazon

Laboratory Personal Protective Equipment

Required

- **Masks (covid requirement): KN95 (or N95 if available)** ***We will be providing some masks.***
- **Disposable gloves** (latex or nitrile; do not re-use).
- **Close-toed shoes**
- **Scrubs or other comfortable clothes** (occupational health and safety regulations require ***dedicated*** lab clothing; do not wear lab clothes outside anatomy floor).
- **Protective eyewear** when using electric saws (provided for you)
- **Surgical (dust) mask** when using electric saw (provided for you)

Optional: Plastic apron, plastic forearm sleeve, surgical gown or lab coat

Optional Staffed Open Lab Times to Complete Dissections and Review

See schedule of Open Lab times appended to the end of the syllabus (following the main schedule). These sessions will be staffed by an instructor (Chelsea Goldberg or Briauna Blezinski).

Additional Optional Educational Resources

Numerous instructional materials and review sessions have been developed to help you succeed in the course. Each will be posted on Canvas and announced as appropriate.

Using the resources or attending the sessions outlined below is optional:

- Videos for lab orientation and dissection techniques
- Interactive Osteology Self-Study Modules (one per unit), to use in conjunction with the bone room and osteology structure ID list as you review bony anatomy
- Staffed Open Lab Sessions (see list of times/dates following primary course schedule)
- Structured Lab Review Sessions (led by TA in each unit)
- Bone Review Sessions: staff and times TBD
- Spatial Relationship Sessions: active-learning based sessions focusing on anatomical structure and relationships using VHD cross-sections and other images (two per unit)
- Active Learning Review Sessions (one per unit), led by either an instructor or MHA student educators (topics TBD)
- Lab practice practical (one per unit), organized by the lab TAs
- Peer tagged lab practical style lab reviews (one per unit)

Grading Policy

Student progress in the course is assessed based on 1 written exam, 1 lab practical exam, and 1 dissection quiz per Unit. The final grade contribution of each assessment is outlined below:

Written Exams (56%); Practical Exams (40%); Group Dissection Quizzes (4%)

Assessment	Final Grade Contribution (%)
Written Exams	
Unit I	14
Unit II	14
Unit III	14
Unit IV	14
Lab Practical Exams	
Unit I	10
Unit II	10
Unit III	10
Unit IV	10
Group Dissection Quizzes	
Unit I	1
Unit II	1
Unit III	1
Unit IV	1
TOTAL	**100%**

Final Grade

At the end of the course, a final letter grade will be assigned according to the MHA program scale. As per program policy, a minimum grade of B- is required for successful completion of the course.

A	93-100%	C	73-76%
A-	90-92%	C-	70-72%
B+	87-89%	D+	67-69%
B	83-86%	D	63-66
B-	80-82%	D-	60-62
C+	77-79%	F	59% and below

Assessments

The honor code is in effect, and cheating will not be tolerated. It is an academic violation to discuss assessments with others in the class who have not yet taken their assessment, or while the assessment is in progress. Use of external resources during exams and quizzes is not permitted. It is an academic violation to copy or share the exam in any way. **Do Not Cheat.**

Unit Written Exams

Each written exam will be composed of questions in a variety of formats: standard multiple-choice (the most common format), multiple answer, multiple drop-down (to test knowledge of various anatomical pathways), and fill-in-the blank blood flow questions. Tests will be administered in Canvas. You will have 2.5hrs to complete the exam in a proctored computer classroom. Written exams are not cumulative; however, note that some concepts do build on each other as the class progresses.

You may use a blank sheet of paper during the exam and a blank grid paper; any such papers must be turned in at the end of the exam.

For each Unit, practice written quizzes will be available on Canvas to help you prepare and simulate an electronic assessment. Practice questions are similar in style, level of detail and difficulty to the written exam. It is an academic violation to copy or share the exam or practice tests in any way. TA review sessions will be available to review quiz questions, and you may seek help of course faculty with practice questions.

Unit Lab Practical Exams

Lab practical exam consists of up to 45 fill-in-the-blank questions. You will have 1 minute per question. The majority of the lab practical consists of identify questions based on structures tagged on a cadaver, prosection, bone, model, cross-section, or radiological imaging including ultrasound; a subset of questions may be second order (e.g., what is the nerve supply to the tagged muscle?).

You will not have the opportunity to revisit a station after your allotted time, nor can you touch the specimens during the exam. Each structure listed on the Cadaver Structure List and Osteology List for that Unit may be assessed; lab practicals are not cumulative. Cell phones, electronics, and ear buds are not permitted in the lab exam. You may draw or sketch in the margins of your answer sheet, but only during the time limit of the exam.

Answers will be posted at each station in the lab immediately after the completion of the exam, to give you the chance to review the exam. In addition, the practical key will be posted for a limited time and your answer sheet will be returned to you.

Group Dissection Quizzes

Each dissection table will take the dissection quiz together, during the specific time. The group will have up to 20 minutes to answer 10 identification questions from the Cadaver Structure ID List. Each ID will be scored as follows: correct identification (1pt), structure intact (0.5pt), structure well cleaned (0.5pt).

Exam Review

You can review your exam in Canvas after the grade is posted for a limited period of time (to be announced at each exam). During this time, please discuss any perceived errors in your grade with the Course Director. Modifications to grades will not be discussed beyond this timeframe. You may not keep your written exam, or a copy of the exam. It is an academic violation to copy (e.g., screen capture or print) or share the exam in any way.

Make-Up Exams

No make-up exams will be offered for students who fail to show up for one of the scheduled exams or who perform poorly. Because of the pace of the course, no make-up lab practical exams will be given under any circumstances.

In the case of a severe illness, funeral of a close family member, personal life event or unplanned catastrophic event (as defined by University rules), a make-up written exam may be scheduled with the Course Director. The exam will be scheduled as soon as realistically possible at a time that is mutually agreed upon by the Course Director and student. The Course Director will provide advanced notice of the make-up exam format. If you also missed a lab practical exam, the missing grade will be substituted with the average of the three other lab exams. However, this will only be allowed once.

Student Responsibilities:

As adult learners, you are expected to take responsibility of your own education by engaging in active learning, peer teaching and problem-solving activities, as well as helping to create a suitable atmosphere for learning. To this end, it is your responsibility to:

- Arrive on time. If you are late, please enter quietly and take care to minimize disturbing your classmates. If you are late, please wait until a break to ask content related questions – this is in case the same question may have already been discussed before your arrival.
- Silence cell phones. If you must take an urgent call, please step outside of the classroom quietly. Cell phones are NOT permitted during the lab or written exam.
- Adhere to the lab policies outlined during the Lab Orientation, both during and outside of regular class time.
- Read the lab instructions or view an assigned module BEFORE each session; lecture and lab should not be your first exposure to the day's content.
- Ensure each dissection exercise is completed in full. You and your tablemates may need to spend additional time in the cadaver lab to catch up on dissection, if you have fallen behind.
- Review structures on all the cadavers on your own time. Ideally, this lab review will happen frequently in each Unit; you should not wait until the end of a Unit to begin your lab review.
- When necessary, seek help immediately and frequently. The lab faculty and TAs may be available for reviews outside of assigned lab time; request and set up a meeting time.
- Provide constructive feedback on the course. An optional informal survey will be open to you each week, in addition to the mandatory end-of-course evaluation.

Devices in Class

There is research which suggests that writing notes by hand on paper helps you learn and retain the material better. However, if you have a need or a preference for using a laptop/tablet in class, you may do so. Please avoid doing things that are not related to the class and be respectful of those around you.

Code of Conduct Policy & Professionalism

Students are expected to abide by the Graduate School's Student Academic Honor & Conduct Code, as well as policies outlined in the MHA Student Handbook. Students are expected to act in a professional manner. Academic dishonesty, including cheating and sharing exam details will not be tolerated.

Anatomical Donors & CO State Anatomical Board

You will be working closely with human cadavers provided by the Anatomical Board of the State of Colorado. It is a privilege to work and learn with human donors. To honor this privilege, you must treat all cadavers and donated remains with respect, dignity and decorum. You are expected to adhere to the lab rules and guidelines outlined during the Lab Orientation, and attend the Donor Memorial Ceremony held in the spring.

If a relative or friend of yours has made an anatomical gift donation to the Anatomical Board of the State of Colorado within the last two years, please notify the one of the course directors as soon as possible so that we may pre-screen the class specimens.

Religious Holiday Accommodations

It is your responsibility to notify the Course Director by the end of the 2nd week of the semester if you anticipate a conflict between your observance of religious holiday(s) and the requirements for this course.

Disability Services

Students with documented disabilities should inform the Course Director as soon as possible. It is the student's responsibility to work with the Office of Disability Resources and Services to provide a letter specifying the necessary accommodations to the course director as soon as possible. The contact information for the Office of Disability Resources and Services is as follows: Sherry Holden (sherry.holden@ucdenver.edu), Selim Ozi (selim.ozi@ucdenver.edu)

Incomplete Policy

Incomplete (I) grades are not granted for low academic performance. To be eligible for an "I" grade, you must:

1) Successfully complete a minimum of 75% of the course
2) Have special circumstances beyond your control that prevents you from attending class and/or completing coursework. Note that verification of special circumstances is required.
3) Make arrangements to complete missing coursework with the original instructor
4) If the missing coursework is not completed within 1 year from the end of the semester in which the original course was scheduled, the "I" grade will convert to an "F" grade on your official transcript.

Withdrawal Policy

The deadline for which a student may withdraw from a course is approximately one month before the finals week. Withdrawal from the course after the Add/Drop date specified by the Graduate School will result in no tuition refund and "W" will appear in the transcript. Jennifer Thurston can assist you with a withdrawal.

Resolution of Conflicts

Good faith efforts will be made by students, faculty, and program and university administration to settle all appeals, complaints and grievances on an informal basis. Such efforts include conferences between the persons directly involved and others who may help solve the problems. Formal conflict resolution policies are detailed in the policies and procedures of the Graduate School, University of Colorado Denver.

Weekly Schedule & Topic Outline (see next page and Canvas Calendar)

Sessions start promptly at the top of the hour. Lectures are 50 mins long; a 10 mins break will be provided between consecutive lecture hours. Classroom listings will be posted in Canvas. Optional class activities are included on the schedule. ***Schedule and room changes may occur; you are advised to check the Canvas calendar and Announcements for changes.***

ANAT 6111 Course Schedule (Spring 2022)

Schedule Key: Lecture or Active Learning Session (on Zoom unless physical location noted); Radiology Lecture on Zoom; Cadaver Lab in person; US Lab in person; Quiz & Exam in person; *Italics (any color) = optional session.*

WEEK 1: January 24th

Date	Start	End	Location	Topics	Faculty
Mon 1/24	1pm	2pm	Ed 2N #1107	Course Orientation	Orr
	2pm	3pm	Ed 2N #1107	Intro to the Visible Human Dissector	Weinkle
	3pm	4pm	Ed 2N #1107	Strategies for Success	Bonfiglio
	4pm	5pm	Ed 2N #1107 then go to Lab	Lab & Anatomical Gift Orientation, Visit to Lab (no dissection)	Orr
START UNIT 1					
Tues 1/25	1pm	4pm	Ed 2N #1107	Intro to Terminology & Systems Vertebral Column & Spinal Cord Back	Orr
Weds 1/26	1pm	5pm	Lab	**Lab 1**: Back & Vertebral Column	Lab staff
Thurs 1/27	1pm	5pm	Lab	**Lab 2**: Suboccipital Triangle	Lab staff
Fri 1/28	10am	12pm	Sim or Bone Room	**US Lab #1: Intro to US**	Royer
	1pm	2pm	Ed 2N #1107	Intro to Flipped Classroom	Bonfiglio
	2pm	4pm	Ed 2N #1107	Organization of the Peripheral Nervous System	Orr

WEEK 2: January 31st

Date	Start	End	Location	Topics	Faculty
Mon 1/31	10am	12pm	Ed 2N #2102	Introduction to Radiology	Kondo
	1pm	4pm	Ed 2N #1107	Shoulder Pectoral Region Brachial Plexus	Bonfiglio
Tues 2/1	1pm	5pm	Lab	**Lab 3**: Shoulder	Lab staff
Weds 2/2	10am	12pm	Ed 2N #1107	Radiology of the Back & Upper Limb	Kondo
	1pm	3pm	Ed 2N #1107	Upper Limb Circulatory (FLIPPED)	Bonfiglio
	3pm	5pm	Ed 2N #1107	Arm & Forearm	Orr
Thurs 2/3	1pm	5pm	Lab	**Lab 4:** Pectoral Region & Axilla	Lab staff
Fri 2/4	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Blezinski*
	1pm	5pm	Lab	**Lab 5**: Axilla continued	Lab staff

WEEK 3: February 7th

Date	Start	End	Location	Topics	Faculty
Mon 2/7	1pm	3pm	Ed 2N #1107	Hand Upper Limb Joints	Orr
Tues 2/8	1pm	5pm	Lab	**Lab 6**: Arm, Cubital Fossa, & Forearm	Lab staff
Weds 2/9	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Blezinski*
	1pm	5pm	Lab	**Lab 7**: Posterior Forearm & Dorsum of Hand	Lab staff
Thurs 2/10	*1pm*	*2pm*	*Ed 2N #1107*	*Spatial Relationships Session*	*Orr*
Fri 2/11	1pm	5pm	Lab	**Lab 9**: Palm	Lab staff

WEEK 4: February 14th

Date	Start	End	Location	Topics	Faculty
Mon 2/14	*1pm*	*2pm*	*Ed 2N #1107*	*Spatial Relationships Session*	Orr
	2pm	*4pm*	*Ed 2N #1107*	*Active Learning Review*	Blezinski
Tues 2/15	1pm	5pm	Lab	**Lab 9:** Finish Palm, Upper limb joints (prosection)	Lab staff
Weds 2/16	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Blezinski*
	1pm	3pm	Sim or Bone Room	**US Lab #2: Back & Upper Limb**	Royer
Thurs 2/17	**1pm**	**2pm**	**Lab**	**Dissection Quiz 1 (Group assigned time TBD)**	**Lab staff**
	2pm	*4pm*	*Lab*	*Lab Review (optional)*	*Lab*
Fri 2/18	**1pm**	**3:30pm**	**Ed 2N #2201 A,B,D,E (computer lab)**	**Unit I Written Exam**	**Proctor**
	4pm	**5pm**	**Lab**	**Unit I Lab Practical**	**Proctor**

WEEK 5: February 21st

Date	Start	End	Location	Topics	Faculty
Mon 2/21	**PRESIDENT'S DAY HOLIDAY: NO CLASS**				
START UNIT 2					
Tues 2/22	1pm	3pm	Ed 2N #1107	Introduction to Head & Neck Face	Orr
	3pm	4pm	Ed 2N #1107	Skull Osteology Dry Lab Part 1	Orr
Weds 2/23	1pm	5pm	Lab	**Lab 10**: Face	Lab staff
Thurs 2/24	1pm	4pm	Ed 2N #1107	Anterior & Lateral Neck Skull Osteology Dry Lab Part 2	Orr
Fri 2/25	1pm	5pm	Lab	**Lab 11**: Face continued; Begin Anterior Neck	Lab staff

WEEK 6: February 28th

Date	Start	End	Location	Topics	Faculty
Mon 2/28	1pm	3pm	Ed 2N #1107	Cranial Nerves Pt 1	Orr
Tues 3/1	1pm	5pm	Lab	**Lab 12:** Anterior & Lateral Neck Continued	Lab staff
Weds 3/2	*9am*	*12pm*	*Lab/Bone Room*	*Staffed Open Lab (optional help)*	*Goldberg*
	1pm	5pm	Lab	**Lab 13:** Anterior & Lateral Neck Continued	Lab staff
Thurs 3/3	1pm	3pm	Ed 2N #1107	Cranial Nerves Part II	Orr
	3pm	4pm	Ed 2N #1107	Head & Neck Circulatory – Flipped Classroom I	Bonfiglio
Fri 3/4	1pm	3pm	Ed 2N #1107	Cranial Nerves Part III Cranial Autonomics	Orr
	3pm	*4pm*	*Ed 2N #1107*	*Spatial Relationships Session*	*Orr*

WEEK 7: March 7th

Date	Start	End	Location	Topics	Faculty
Mon 3/7	1pm	5pm	Lab	**Lab 14**: Cranial Cavity & Brain	Lab staff
Tues 3/8	1pm	2pm	Ed 2N #1107	Orbit & Eye	Student Educator
	2pm	4pm	Ed 2N #1107	Head & Neck Circulatory – Flipped Classroom II	Bonfiglio
Weds 3/9	*9am*	*12pm*	*Lab/Bone Room*	*Staffed Open Lab (optional help)*	*Goldberg*
	1pm	5pm	Lab	**Lab 15**: Orbit	Lab staff
Thurs 3/10	1pm	2pm	Ed 2N #1107	Nasal Cavity & Ear	Orr
	2pm	4pm	Ed 2N #1107	Infratemporal Fossa Oral Cavity	Orr
Fri 3/11	10am	12pm	Sim or Bone Room	**US Lab #3:** Head and Neck	Royer
	1pm	5pm	Lab	**Lab 16:** Infratemporal Fossa	Lab staff

WEEK 8: March 14th

Date	Start	End	Location	Topics	Faculty
Mon 3/14	1pm *3pm*	3pm *4pm*	Ed 2N #1107 *Ed 2N #1107*	Neck Viscera: Pharynx Neck Viscera: Larynx *Spatial Relationships Session*	Orr Orr
Tues 3/15	1pm	5pm	Lab	**Lab 17:** Nasal Cavity & Palate (disarticulate & bisect head)	Lab staff
Weds 3/16	*9am*	*12pm*	*Lab/Bone Room*	*Staffed Open Lab (optional help)*	*Goldberg*
	1pm	5pm	Lab	**Lab 18**: Oral Cavity & Pharynx	Lab staff
Thurs 3/17	1pm	3pm	Ed 2N #1107	Radiology of the Head and Neck	Borges
	3pm	*5pm*	Ed 2N #1107	*Active Learning Review, Unit 2*	***Student Educator***
Fri 3/18	1pm	5pm	Lab	**Lab 17**: Larynx & Deep Neck	Lab staff

WEEK 9: March 21st

M 3/21 - Fri 3/25	**SPRING BREAK – No Class This Week**

WEEK 10: March 28th

Date	Start	End	Location	Topics	Faculty
Mon 3/28	**12pm**	**1pm**	**Lab**	**Unit II Dissection Quiz (assigned time TBD)**	**Lab staff**
	1pm	*3pm*	*Lab*	*Lab Review (optional)*	*Lab staff*
Tues 3/29	**1pm**	**3:30pm**	**Ed 2N #2201 A,B,D,E (computer lab)**	**Unit II Written Exam**	**Proctor**
	4pm	**5pm**	**Lab**	**Unit II Lab Practical**	**Proctor**
START UNIT 3					
Weds 3/30	1pm	3pm	Ed 2N #1202	Thoracic Wall & Breast Lungs & Lower Respiratory Tract	Goldberg
Thurs 3/31	1pm	5pm	Lab	**Lab 20**: Anterior Thoracic Wall, Lungs, & Heart	Lab staff
Fri 4/1	1pm	2pm	Ed 2N #1107	Heart & Mediastinum	Student Educator
	2pm	4pm	Ed 2N #1107	Thorax Circulatory – Flipped	Bonfiglio

WEEK 11: April 4th

Date	Start	End	Location	Topics	Faculty
Mon 4/4	**AAA MEETING: NO CLASS**				
Tues 4/5	1pm	5pm	Lab	**Lab 21**: Finish Heart, Superior & Posterior Mediastinum	Lab staff
Weds 4/6	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Blezinski*
	1pm	4pm	Ed 2N #1107	Abdominal Wall & Inguinal Canal Peritoneal Cavity Abdominal Viscera Part 1	Bonfiglio
Thurs 4/7	1pm	3pm	Diversity & Inclusion MPR	**US Lab #4**: Thorax	Royer
Fri 4/8	10am	12pm	Ed 2N #2106	Radiology of Thorax and Abdomen	Kondo
	1pm	4pm	Ed 2N #1107	Abdominal Viscera Part 2 Diaphragm & Post. Abdomen Autonomic Nervous System & Lumbosacral plexus	Bonfiglio

WEEK 12: April 11th

Date	Start	End	Location	Topics	Faculty
Mon 4/11	1pm	5pm	Lab	**Lab 22**: Anterior Abdominal Wall & Inguinal Canal (not testes)	Lab staff
Tues 4/12	*1pm*	*3pm*	*Ed 2N #1107*	Abdomen Circulatory - Flipped	Bonfiglio
	3pm	*4pm*	*Ed 2N #1107*	*Spatial Relationship session - thorax*	*Bonfiglio*
Weds 4/13	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Blezinski*
	1pm	5pm	Lab	**Lab 23**: Abdominal Cavity *(in situ demo)* + Cavity	Lab staff
Thurs 4/14	1pm	5pm	Lab	**Lab 24**: Abdominal Cavity continued	Lab staff
Fri 4/15	1pm	5pm	Lab	**Lab 25:** Finish Abdominal Cavity	Lab staff

WEEK 13: April 18th

Date	Start	End	Location	Topics	Faculty
Mon 4/18	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Blezinski*
	1pm	5pm	Lab	**Lab 26**: Posterior Abdominal Wall & Kidney	Lab staff
Tues 4/19	**MHA CAPSTONE POSTER SYMPOSIUM: NO CLASS**				
Weds 4/20	10am	12pm	Diversity & Inclusion MPR	**US Lab #5**: Abdomen	Royer
	1pm	*2pm*	*Ed 2N #1107*	*Spatial Relationships Session – Abdomen*	*Bonfiglio*
	2pm	*4pm*	*Ed 2N #1107*	*Active Learning Review*	*Student Educator*
Thurs 4/21	**1pm**	**2pm**	**Lab**	**Unit III Dissection Quiz (assigned time TBD)**	**Lab staff**
	2pm	*4pm*	*Lab*	*Lab Review (optional)*	*Lab staff*
Fri 4/22	**1pm**	**3:30pm**	**Ed 2N #2201 A,B,D,E (computer lab)**	**Unit III Written Exam**	**Proctor**
	4pm	**5pm**	**Lab**	**Unit III Lab Practical**	**Proctor**

WEEK 14: April 25th

Date	Start	End	Location	Topics	Faculty
START UNIT 4					
Mon 4/25	1pm	4pm	Ed 2N #1107	Gluteal Region Thigh Leg	Bonfiglio
Tues 4/26	1pm	2pm	Ed 2N #1107	Lower Limb Circulatory - Flipped	Bonfiglio
	2pm	4pm	Ed 2N #1107	Foot Lower Limb Joints	Bonfiglio
Weds 4/27	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Goldberg*
	1pm	5pm	Lab	**Lab 27**: Anterior & Medial Thigh	Lab staff
Thurs 4/28	1pm	5pm	Lab	**Lab 28:** Gluteal Region & Posterior Thigh	Lab staff
Fri 4/29	1pm	5pm	Lab	**Lab 29:** Popliteal Fossa & Leg; Begin Foot.	Lab staff

WEEK 15: May 2nd

Date	Start	End	Location	Topics	Faculty
Mon 5/2	10am 1pm	12pm 5pm	Ed 2N #1107 Lab	Radiology of the Pelvis & Lower Limb **Lab 30:** Sole of Foot & Lower Limb Joints	Kondo Lab staff
Tues 5/3	1pm	3pm	Ed 2N #1107	Pelvis & Perineum Part 1 & 2	Bonfiglio
Weds 5/4	10am	12pm	Diversity & Inclusion MPR	US Lab #6: Pelvis & Lower Limb	Royer
	9am	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Goldberg*
	1pm	2pm	Ed 2N #1107	Pelvis & Perineum Part 3 Lumbosacral Plexus Revisited	Bonfiglio
	2pm	4pm	Ed 2N #1107	Pelvis Circulatory - Flipped	Bonfiglio
Thurs 5/5	1pm	5pm	Lab	**Lab 31**: Ischioanal Fossa, Perineum (+ testes)	Lab staff
Fri 5/6	1pm	5pm	Lab	**Lab 32**: Finish Perineum, Pelvis Hemisection	Lab staff

WEEK 16: May 9th

Date	Start	End	Location	Topics	Faculty
Mon 5/9	*1pm*	*2pm*	*Ed 2N #1107*	*Spatial Relationships session – Lower Limb*	*Bonfiglio*
Tues 5/10	1pm	5pm	Lab	**Lab 33**: Finish Pelvis	Lab staff
Weds 5/11	*1pm*	*2pm*	Ed 2N #1107	*Spatial Relationship session*	*Bonfiglio*
	2pm	*4pm*	Ed 2N #1107	*Active Learning Review*	*Goldberg*
Fri 5/13	*9am*	*12pm*	*Lab*	*Staffed Open Lab (optional help)*	*Goldberg*
	1pm	**5pm**	**Lab**	**Unit IV Dissection Quiz** (assigned time TBD)	Lab staff
	2pm	*4pm*	*Lab*	*Lab Review*	*Lab*

WEEK 17: May 17th

Date	Start	End	Location	Topics	Faculty
Mon 5/16	**1pm**	**3:30pm**	**Ed 2N #2201 A,B,D,E (computer lab)**	**Unit IV Written Exam**	Proctor
	4pm	**5pm**	**Lab**	**Unit IV Lab Practical**	Proctor
COURSE ENDS!					

Staffed Open Lab Times (Optional Help)

These are open lab times that will serve as "office hours" for instructors Briauna Blezinski and Chelsea Goldberg. The instructors can provide help with dissections, identifying structures, learning osteology, or answering other questions relating to the lab material.

Unit 1: Briauna Blezinski

Week 2	Friday February 4th from 9AM-12PM
Week 3	Wednesday February 9th from 9AM-12PM
Week 4	Wednesday February 16th from 9AM-12PM

Unit 2: Chelsea Goldberg

Week 6	Wednesday March 2nd from 9AM-12PM
Week 7	Wednesday March 9th from 9AM-12PM
Week 8	Wednesday March 16th from 9AM-12PM

Unit 3: Briauna Blezinski

Week 11	Wednesday April 6th from 9AM-12PM
Week 12	Wednesday April 13th from 9AM-12PM
Week 13	Monday April 18th from 9AM-12PM

Unit 4: Chelsea Goldberg

Week 14	Wednesday April 27th from 1PM-4PM
Week 15	Wednesday May 4th from 9AM-12PM
Week 16	Friday May 13th from 9AM-12PM