

## METX 135L Summer 2022 Syllabus

### Instructor:

Nicole Schrad [nschrad@ucsc.edu](mailto:nschrad@ucsc.edu)

### Zoom PMID:

<https://ucsc.zoom.us/j/91011222222>

### Office Hours:

By appointment on Zoom

### Teaching Assistants:

Christina Egami [cegami@ucsc.edu](mailto:cegami@ucsc.edu)

### Sections: Thimann 217

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Section	Day	Time
A	Monday/ Wednesday	1:00-4:30
B	Tuesday/ Thursday	1:00-4:30

### Optional Open Lab:

Friday 11-1 Thimann 217

### Course Overview

This course is a rigorous systems-based course in anatomy. The laboratory (METX 135L) complements the lecture (METX 135) and is synchronized with the lecture schedule for maximal synergy. The focus of this course is on the nomenclature identification of anatomical structures, while the lecture will provide a mechanistic understanding of the different structures.

This course will be taught with in-person labs. There is a virtual assignment which should be completed before you attend section. On Fridays, there will be an open lab section, where you can come review the models from section. There will be a class where you will be able to see a real cadaver that was dissected by the METX 135C class.

I designed this class to work with the METX 135 lecture and to provide a solid foundation for a variety of human health -related disciplines as well as anthropology students. Many former students go on to PA, PT, Medical, Dental and Nursing Schools. What you get out of it depends on how much work you put into it.

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## Goals

1. To identify the different structures present in the human body and to acquire the vocabulary necessary to adequately describe them. Musculoskeletal anatomy will be emphasized, but neuroanatomy and organ systems will also be covered.
  2. To learn about the cellular and extracellular components present in these structures at the microscopic level as a way to understand their physiological functions.
  3. To learn the interplay between different systems in a healthy body as the foundation for understanding disease states.
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## Section

During your assigned session, we will assist you with identifying different anatomical structures.

Ahead of each session, you will be assigned labs in Connect (weekly assignments) that will walk you through the structures you are responsible for learning. During the session you will identify those structures using models in class.

At the end of the section, you will show the instructor your completed worksheet to get credit for the lab (5% each). There will be a midterm over bones at the end of week 2 and start of week 3 worth 15% each. During week 4, you and a partner will present a histology slide to the class.

In addition, we'll have one observational cadaver labs where you will be able to view the organs and other visible anatomical structures on a dissected cadaver as well as learn about the interplay between different systems and the impact of disease states.

### Open Lab:

On Fridays there will open lab period where you can come review the models/stations taught during the week.

### Midterm

There will be two midterms worth 15% of your grade: one on bones and one on muscles. You will be asked to correctly identify 30 bones and 30 muscles out of 60 labeled bones. Muscles.

## Expected Student Hours

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Systemwide Senate Regulation 760 specifies that one academic credit corresponds to a total of 30 hours of work for the median student over a quarter (e.g., 3 hours per week for a 10-week quarter). This is a 3-unit course, so *you're expected to spend at least 9 hours per week on this class*. It is very important to keep up with the material as it is being presented.

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## Resources

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**Canvas:**

The Canvas site will be shared with the METX 135 Lecture class. Grades for the labs will be calculated as a sub column on the Grades tab.

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**Connect:**

Connect is integrated with Canvas, so you'll find it in one of the lower tabs.

The course is "METX135 and METX135L with LearnSmart Prep"

When you try to connect for the first time, you'll go through registration. Please go to the following web address and click the "register now" button

<https://connect.mheducation.com/class/>

If you have any issues while registering, you can get help here: <https://bit.ly/StudentRegistration> (Links to an external site.). For any other questions regarding Connect, please contact McGraw-Hill's Customer Experience team through <http://www.mhhe.com/support> or at 800-331-5094.

We will use Connect for pre-lab assignments, virtual dissections, and quizzes. You can also access an online e-book through Connect

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**Textbooks:**

The textbook we will be using is Human Anatomy by Kenneth Saladin, 6<sup>th</sup> edition. An e-copy of this textbook is available on the Connect website so there is no need to purchase a separate textbook unless you prefer a hard copy.

For histology we'll primarily use the following website that allows you to see microscope slides of a variety of tissues virtually. <http://www.histologyguide.com>

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## Weekly Schedule

Date	Lab (5% per completed worksheet)	Connect Assignment (2.5% each)	Assignment Due	METX 135 lecture topics
A=7/25 B=7/26	#1: Intro to Anatomical terms and APR	APR Assignment 1	7/29 7/29	Anatomical terms, bone biology, axial skeleton, movement, appendicular skeleton, joints, bipedality
A=7/27 B=7/28	#2: Axial Skeleton; Bone histology			
A= 8/1 B=8/2	#3: Appendicular Skeleton; muscles of head, neck, and thorax, muscle histology	APR Assignment 2	8/5	<b>Midterm 1</b> , Muscles of head, neck, arm, hand, torso, abdomen, pelvis, respiration, leg, abdomen, and feet
A=8/3 B=8/4	<b>Midterm: Bones</b> #4: Muscles of upper and lower limbs, abdomen, and pelvic floor			
A=8/8 B=8/9	<b>Midterm: Muscles</b>	N/A	N/A	<b>Midterm two</b>
A=8/10 B=8/11	#5 Central nervous system and special organs	APR Assignment 3	8/12	Circuitry, anatomical elements, peripheral nervous system, ANS vs PNS, CSF,
A=8/15 B=8/16	#6 Peripheral nervous system, Heart, and Circulatory system	APR Assignment 4	8/19	Heart, circulatory system, endocrine system, reproductive

A=8/17 B=8/18	# 7 Endocrine and Reproductive <b>Histology presentations</b>			system, embryology, respiratory
A=8/22 B=8/23	Lab 8: Digestive and respiratory systems	APR Assignment 5	8/26	Digestive, flora, Review
A=8/24 B=8/25	Lab 9: Cadaver lab			Final

**Assessments and Grading**

Your grade will exclusively be based on attendance, assignments, and quizzes. The Connect and Review quizzes will adequately assess the ability to identify anatomical structures without the need for a final exam. Note that the concurrent lecture *does* have a final exam which will test the understanding of anatomical structures. Your total grade will be broken down as follows:

Assignments	20%
Midterms	30%
Histology Presentation	10%
Worksheets	40%
<b>Total</b>	<b>100%</b>

**Assignments:**

Lab Assignments will introduce structures and the vocabulary to describe the structures prior to the in-person lab. Each assignment will be due at 11:59 pm on Fridays. If you cannot complete an assignment by the due date, please let me know by email.

**Worksheets:**

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At the end of each lab, please show the instructor your completed worksheet before leaving, Completion of each worksheet will be worth 5%.

**Midterms:**

The midterms are each worth 15% of your grade. It will test your ability to name and identify bones (Midterm 1) as well as muscles (Midterm 2) on the models you viewed during lab. The midterms coincide with the midterms over the same material in lecture.

**Histology Presentations:**

The class will be split into groups of 2 and pick a histology slide they will present on at the start of lab #7. Each presentation will be around 5 minutes and will use slides from [histologyguide.com](http://histologyguide.com). Presentations will be graded on correctly identifying listed features of that slide.

**Attendance:**

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Attendance to lab section is mandatory and necessary for your success as a student. You may attend other sections with written permission from your instructor (This may especially come in handy during the midterms). You may permanently switch sections with approval. The goal is to keep each section ~25 students.

Failure to attend will be penalized with 2% of the final grade if it happens once, 10% if it happens twice and failing the class if it happens 3 or more times. You will have the chance to make up labs (without penalty) on Fridays if you cannot attend class. Please email the instructor if this is the case.

**Grade scale:**

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Possible points (%) Grade

>97	A+
93-97	A
90-93	A-
87-90	B+
83-87	B
80-83	B-
77-80	C+
73-77	C
70-73	C-
60-70	D

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**How to succeed in this course:**

1. Attend and participate in every lab session
2. Complete assignment before your section so section can be used as review
3. Study frequently, regularly, and efficiently
4. Use the APR tool to study name, function, and orientation all at the same time.

**Instructor Evaluation:**

In week 2, I will submit an anonymous survey to monitor the quality of instruction and ask for suggestions for improvement.

During week 4 of instruction, you will be asked by email to evaluate the class instructor and the Teaching Assistants formally. **PLEASE TAKE THE TIME TO FILL IT OUT**, your feedback is important for the continued improvement of this class, particularly with the change in format.

**Disability Resource Center**

UC Santa Cruz is committed to creating an academic environment that supports its diverse student body. If you are a student with a disability who requires accommodations to achieve equal access in this course, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me privately during my office hours or by appointment, preferably within the first two weeks of the quarter. At this time, I would also like us to discuss ways we can ensure your full participation in the course. I encourage all students who may benefit from learning more about DRC services to contact DRC by phone at 831-459-2089 or by email at [drc@ucsc.edu](mailto:drc@ucsc.edu)

**Academic Integrity:**

The University's policy on academic honesty will be observed in this class. Plagiarism is the conscious or inadvertent failure to identify the contributions of others. Cheating is falsely passing off the work of others as your own. Neither will be tolerated evidence of either will result in persecution to the furthest extent of the law.

**Title IX, Campus Advocacy, Resources, and Education (CARE), and Counseling and Psychological Services (CAPS)**

Title IX prohibits gender discrimination, including sexual harassment, domestic and dating violence, sexual assault, and stalking. If you have experienced sexual harassment or sexual violence, you can receive confidential support and advocacy at the Campus Advocacy Resources & Education (CARE) Office by calling (831) 502-2273. In addition, Counseling & Psychological Services (CAPS) can provide confidential counseling support, (831) 459-2628. You can also report gender discrimination directly to the University's Title IX Office, (831) 459-2462. Reports to law enforcement can be made to UCPD, (831) 459-2231 ext. 1. For emergencies call 911.

Faculty and Teaching Assistants are required under the UC Policy on Sexual Violence and Sexual Harassment to inform the Title IX Office should they become aware that you or any other student has experienced sexual violence or sexual harassment.

**\*\*\*\*\*Please note: This syllabus is not a contract. Changes to this syllabus may be made during the quarter.**

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