

## METX 135L Summer 2023 Syllabus

### **Instructor:**

Myra Finkelstein, [myraf@ucsc.edu](mailto:myraf@ucsc.edu)

### **Office Hours:**

By appointment, either in person or on Zoom

### **Teaching Assistant:**

Christina Egami, [cegami@ucsc.edu](mailto:cegami@ucsc.edu), office hours by appointment

**Class meets: Thimann 217 Tuesday/ Thursday from 1:00pm – 4:30pm**

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### **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 is due before your first section of the week. 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 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 in.

### **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 Format**

During each section, we will assist you with identifying different anatomical structures.

Before each Tuesday's section, you will have APR assignments in Connect (weekly assignments) that show you 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.

In addition, we'll have one observational cadaver lab where you will 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.

## **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., 6 hours per week for a 5-week summer session course). 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:**

METX 135 is part of the Inclusive Access program. Students get access to connect and the ebook the first day of class and are guaranteed the lowest possible price. Registration is automatic as soon as you click on the first connect assignment.

Billing is automatic through tuition and/or financial aid. METX 135 and 135L share a canvas site and course materials.

We will use Connect for SmartBook assignments, which will constitute 25% of your final grade (see below).

You will also use Connect for METX 135L assignments.

If you have any technical issues with Connect or the SmartBook assignments, contact 24-hour support or let us know so we can help you:

For technical support or urgent needs, please contact our Customer Experience Group (CXG):

- Phone: 1-800-331-5094; Live chat/email: <https://mhedu.force.com/CXG/s/ContactUs>
  - Mon-Thu: 24 Hours, Fri: 12 AM-9 PM, Sat: 10 AM-8 PM, Sun: 12 PM-12 AM (All Times Eastern USA) 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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### **Textbook:**

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

### **Histology:**

For histology we will use images from the textbook as well as 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

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<b>Class Date</b>	<b>Lab topic</b>	<b>APR Connect &amp; Canvas quizzes</b>	<b>Due Date 1159pm</b>
Aug 1 <sup>st</sup>	#1: Intro to Anatomical terms and APR	APR 1	Aug 1 <sup>st</sup>
Aug 3 <sup>rd</sup>	#2: Axial Skeleton; Bone histology Start histology presentations	Canvas quiz 1	Aug 6 <sup>th</sup>
Aug 8 <sup>th</sup>	#3: Appendicular Skeleton; muscles of head, neck, and thorax, muscle histology histology presentations	APR 2	Aug 7 <sup>th</sup>
Aug 10 <sup>th</sup>	#4: Muscles of upper and lower limbs, abdomen, and pelvic floor histology presentations	Canvas quiz 2	Aug 13 <sup>th</sup>
Aug 15 <sup>th</sup>	<b>Exam 1</b>	APR 3	Aug 16 <sup>th</sup>
Aug 17 <sup>th</sup>	#5 Central nervous system and special organs histology presentations	Canvas quiz 3	Aug 20 <sup>th</sup>
Aug 22 <sup>nd</sup>	#6 Peripheral nervous system, Heart, and Circulatory system, Endocrine system histology presentations	APR 4	Aug 21 <sup>st</sup>
Aug 24 <sup>th</sup>	# 7 Reproductive, Digestive, Respiratory systems histology presentations	Canvas quiz 4	Aug 27 <sup>th</sup>
Aug 29 <sup>th</sup>	Lab 8: Cadaver lab histology presentations	APR 5	Aug 28 <sup>th</sup>
Aug 31 <sup>st</sup>	<b>Exam 2</b>	Canvas quiz 5	Aug 30 <sup>th</sup>

## Evaluation

Your final course grade will be broken down as follows:

APR pre-lab assignments (via Connect)	4% (5 assignments worth 1% each, can miss one)
Section worksheets (shown to TA, not turned in)	20% (10 assignments worth 2% each)
Weekly Canvas quizzes	8% (5 assignments worth 2% each, can miss one)
Histology (presentation & slide set-up)	13% (10% for presentation, 3% for appropriate microscope and slide set up)
Exams	55% (1 <sup>st</sup> exam = 25%, 2 <sup>nd</sup> exam = 30%)
<b>Total</b>	<b>100%</b>
<b>Extra Credit</b>	<b>Up to 3% total:</b> <ul style="list-style-type: none"><li>- 1% for completing all APR assignments</li><li>- Up to 2% for 100% on all Canvas quizzes</li></ul>

### APR Assignments on Connect (4%):

APR Lab Assignments will introduce structures and the vocabulary to describe the structures prior to the in-person lab. You can miss one and still receive full credit.

### Lab Worksheets (20%):

At the end of each lab, please show the instructor your completed worksheet before leaving to receive credit for attending the lab class. Lab attendance is mandatory.

### Canvas Quizzes (8% of overall grade):

Canvas quizzes summarize the material you have learned during the weekly lab sections. You can miss one and still receive full credit.

### Exams (55% of overall grade):

The exams will provide an additional assessment of your knowledge of the material presented in lab. Exam questions will be similar in format and content to weekly Canvas quizzes.

### Histology Presentations and slide set ups (13% of overall grade):

During the first lab, students will be asked to sign up for a histology slide to present to the class. The presentations will consist of **two slides and CAN NOT EXCEED TWO MINUTES IN LENGTH** and is worth 10%. A detailed presentation expectation guide and grading rubric will be posted on Canvas. Students who present will also set up their slide with one of the lab microscopes for the class to view. Setting up the slide correctly and in focus is worth 3%.

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### Attendance:

- You are allowed to make up 1 lab section (e.g., complete two worksheets during one lab period).
  - **If you miss a lab section and do not make it up, you will have an automatic 10% deduction of your final lab score. If you miss 2 lab sections, you will automatically fail the lab.**
  - Contact us if you have to miss more than one lab and/or can't make it up the same week.
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**Late Policy:** Being on time to lab shows respect for your TA and fellow students. This is especially important as histology presentations will take place at the beginning of the lab period.

**- if you arrive after 1:05pm to lab you will be considered 'late'**

- you have one 'free' late pass with no penalty, you will have a 2% deduction to your final lab score for the second time you are late, a 3% deduction for the third time you are late, a 4% deduction for the 4<sup>th</sup> time you are late, etc.

**How to succeed in this course:**

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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.

**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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