



School of Molecular & Cellular Biology

MCB 247, Spring 2025

Human Anatomy & Physiology Lab II, 2 Course Credit Hours

Head Ta

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Instructor

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Lab Meeting Schedule *(all times are recorded in CST)*

You will meet in Burrill Hall second floor in your assigned classroom, during your registered section time two days a week for two-hour lab periods each time. Students must attend the laboratory section in which they are currently enrolled and will not be allowed to sit in other sections. Extenuating circumstances will need to be approved by Nic Handy.

Office Hours: TA's will announce office hours on the first day of class. These times will be posted on Canvas.

- Labs begin the Wednesday of January 22nd, 2025 and the last day of lab is Tuesday April 29th, 2025
- Feb 3rd, 2025 is the deadline for adding or changing sections via self-service.
- Friday, March 14, 2025 is the last day to drop or elect cr/no cr
- Spring Break March 15-23

Course Overview and Description

Laboratory exploration of normal human anatomy and physiology and relevant disease processes for the following systems: digestive, cardiovascular, respiratory, renal, and reproductive. Previously dissected human cadavers are an important part of the learning experience in this course, but students will not dissect human cadavers. Neither animal dissection or animal use are elements of this course. All lab sessions for Spring 2025 will meet two times a week. Asynchronous pre-recorded lecture material is available for students on Moodle, and TA's will review and discuss this material with you during lab sessions. This is the second lab course which, along with MCB 246, are the second half of the two-semester sequence covering the study of human anatomy and physiology. Over

the course of the semester, the curriculum will include examination of prosected cadavers, other human tissues and models, as well as virtual anatomical tutorials and physiology labs designed to give students appreciation and conceptual skills necessary for the physiological processes discussed in MCB 246. Labs may also include dissection of human or mammal organs. Learning objectives for the course are aligned with the Human Anatomy and Physiology Society national standards.

Course Prerequisites and Requirements met

Credit or concurrent enrollment in CHEM 101 and 102 or consent of instructor. MCB 246 should be taken concurrently or prior to enrollment in MCB 247.

MCB 247: Human Anatomy & Physiology Lab II

Credit: 2 hours

Student Learning Outcomes

At the end of the course, through assignments, discussions, activities and assessments, students will be able to:

- Develop a vocabulary of appropriate terminology to effectively communicate information related to anatomy and physiology.
- Topics covered will include: Blood and Cardiovascular System, Lymphatic System, Digestive System, Respiratory System, Endocrine System, Renal System and Reproductive System
- Recognize the anatomical structures and explain the physiological functions of body systems.
- Recognize and explain the principle of homeostasis and the use of feedback loops to control physiological systems in the human body.
- Apply anatomical knowledge to predict physiological consequences and use knowledge of function to predict the features of anatomical structures.
- Recognize and explain the interrelationships within and between anatomical and physiological systems of the human body.
- Synthesize ideas to make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances.
- Demonstrate laboratory procedures used to examine anatomical structures and evaluate physiological functions of each organ system.
- Interpret graphs of anatomical and physiological data.

Section	Role	Name	Email
A	LA	Leah Jaber	ljabe2@illinois.edu
B	LA	Hayley Glore	hglore2@illinois.edu
C	LA	Moyan Zhu	moyanz2@illinois.edu
D	LA	Evan Sebastian	eseba2@illinois.edu
E	LA	Jamiere Eason	jneason2@illinois.edu
F	LA	Ella Gusinde	gusinde2@illinois.edu
G	LA	Kylie Gavin	kyliepg2@illinois.edu
H	LA	Richelle Faye Abano	rabano3@illinois.edu
I	LA	Megan Dhillon	megankd2@illinois.edu
J	LA	Laura Dudzik	ldudzik2@illinois.edu
M	LA	Nic Handy	nhandy2@illinois.edu
N	LA	Katherine Moy	kgmoy2@illinois.edu
O	TA	Ximena Yrigoyen	dxy2@illinois.edu
P	TA	Steven Hobbs	shobbs3@illinois.edu
Q	LA	Annalisa Ranallo	ranallo3@illinois.edu
R	LA	Sanjay Shrestha	sshre4@illinois.edu
S	LA	Morgan Vermillion	morganv3@illinois.edu
T	TA	Nguyen Quang	quangtn2@illinois.edu

Time	Monday/Wednesday		
	Room 215	Room 231	Room 230
8:00-9:50 AM			
10:00-11:50 AM	(A) Jaber	(B) Glore	(C) Zhu
12:00-1:50 PM	(D) Sebastian	(E) Eason	(F) Gusinde
2:00-3:50 PM	(G) Gavin	(H) Abano	(I) Dhillon
4:00-5:50 PM	(J) Dudzik		

Time	Tuesday/Thursday		
	Room 215	Room 231	Room 230
8:00-9:50 AM	(M) Handy		
10:00-11:50 AM	(N) Moy	(O) Yrigoyen	(P) Hobbs
12:00-1:50 PM	(Q) Ranallo	(R) Shrestha	(S) Vermillion
2:00-3:50 PM			
4:00-5:50 PM	(T) Quang		