

## **BIOL 252L: Fundamentals of Human Anatomy & Physiology Laboratory**

### **Lab Director:**

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### **Fall 2020 Course Goals and Student Expectations:**

The BIOL 252L lab presents human structure and function using virtual anatomical models. This is a fast-paced lab, and it will parallel with BIOL 252 lecture, but the information taught will be distinct. In addition to simply naming the parts, we will learn the function and relative position of structures in the body. Students will work synchronously with peers to develop identification skills as well as learning more complex anatomical relationships and pathways.

### **Lab Schedule:**

Labs will meet once a week via Zoom at the assigned time. Each section will have a unique Zoom session, with a link provided by your instructor.

### **Required Materials:**

We will be using Complete Anatomy available for purchase [here](#). This application will be a resource for your study, as well as a platform for a component of your grade. You will learn about how to use it during lab orientation. The laboratory text is available FREE and is found on Sakai ([sakai.unc.edu](http://sakai.unc.edu)).

### **Homework:**

The pre-laboratory assignments will be delivered through Complete Anatomy. Expect approximately 30-45 minutes of video watching plus an additional 5 minutes to complete quizzes for each day of lab. This will need to be completed before lab. 1 assignment per day of lab, due before the beginning of lab. Late assignments will be accepted at 75% credit.

### **Anatomy Labs:**

In class/lab you will be presented with material and be asked to draw conclusions. These sessions are designed to help you learn the material and to learn how to think when using anatomical information. However, not everything you'll be expected to learn will be presented. You will be expected to learn all information presented in the lab manual. In particular, the bold terms are those structures that you will be expected to identify on a quiz or exam. Be sure you have seen each of these structures on Complete Anatomy.

### **Quizzes and Exam:**

Four quizzes will be given over the course of the semester. Each consists of identification questions, where you must identify the labeled structures from Complete Anatomy. Other parts of the quiz will assess your understanding of other material covered in the lab manual. Such information includes function, relative location of structures in the body, and other anatomical concepts. The end-of-semester exam is cumulative, but the same weight as each quiz.

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## Grades:

Grades are calculated based on points earned. The points are distributed as follows:

**Homework Assignments** (15%)

**In Class Activities** (15%)

**Quizzes 1-4** (14% each)

**Cumulative Exam** (14%)

## Grading scale:

Your total points earned will be applied to a 10 points grade scale. There is no curving in this course, just math. If your score is <0.5% from the next grade level, your score will be

	87-90	B+		77-80	C+		67-70	D+		
93-100	A		83-86	B		73-76	C		60-66	D
90-92	A-		80-82	B-		70-72	C-		<60	F

rounded up.

## How your exams will be graded:

Lab exams will be graded for accuracy. Anatomy is a very detailed subject, where it is important to know many things precisely. Where you may be accustomed to “good enough” in other courses, on the lab exams you will have to be as specific as possible or you will not receive the points. This policy is not because of any perceptions of relative importance; rather, it is because the very subject matter is concerned with specificity. In the same way the study of language requires that you say and write things properly, the study of anatomy requires that you can distinguish between the pre-central gyrus and the frontal lobe. Some examples to wrap you’re head around this idea...

- Although it is commonly referred to as the “bicep muscle,” it’s correct name is biceps brachii. Without both words, you have failed to communicate the accurate term. There is a biceps femoris, which is not the same thing.
- If you are asked for the 2nd major branch of the aorta, “carotid artery” is wrong. There are two carotid arteries, the left carotid artery is a branch of the aorta while the right carotid is a branch of another artery. In this case, you’d have to say “right carotid artery.”

## Attendance Policy:

If you know you will be missing a lab or exam, you must notify your lab instructor as soon as possible to reschedule with another lab section. Only after receiving permission should you email another lab instructor, CC’ing you own lab instructor in all such communications. Rescheduling may not always be possible, in which case you can watch the recorded class and submit the assignment.

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An excused absence for a quizzes or exam can either be re-scheduled with another lab section or postponed to the common make up dates, November 12 and 13 (time TBD).

### Diversity and Inclusion:

The Department of Biology values the perspectives of individuals from all backgrounds reflecting the diversity of our students. We broadly define diversity to include race, gender identity, national origin, ethnicity, religion, social class, age, sexual orientation, political background, and physical and learning ability. We strive to make this classroom and this department an inclusive space for all students.

**Honor code:** Students are expected to abide by the UNC honor code at all times. Your participation in all activities and assignments implies compliance to the letter and intent of the honor code. Course resources of any kind are not to be made publicly available. Make sure that anything you upload to websites (for example, Quizlet) is not publicly viewable. This policy is to protect copyright of images, and to limit the distribution of information that might assist another student in cheating. It applies to all images, any screenshots you may take, documents, or summaries of any provided resource.

### BIOL 252L Laboratory schedule

Week of...	Lab Topic
Aug 10	Orientation
Aug 17	Nervous System: Spinal cord, Spinal Nerves
Aug 24	Nervous System: Brain Anatomy & Function
Aug 31	<b>Quiz 1</b>
Sep 7	Axial Skeleton (Monday Labor Day)*
Sep 14	Appendicular Skeleton
Sep 21	<b>Quiz 2</b>
Sep 28	Muscles of Upper Limb
Oct 5	Muscles of Lower Limb
Oct 12	<b>Quiz 3</b> (Monday University Day)**
Oct 19	Cardiovascular and Respiratory Systems
Oct 26	Digestive & Urogenital Systems
Nov 2	<b>Quiz 4</b>
Nov 9	<b>Lab Exam</b>

\*For labs meeting on Mondays, alternate scheduling will be required

\*\*For the lab section(s) that occur during the university day celebration, alternate scheduling will be required.