

**Human Anatomy & Physiology I Lab**  
**BIOL 221L – Section 11 - Fall Semester 2020**  
**ONLINE Thursday 11:00 am – 2:00 pm**

<b>Course Hub:</b>	OAKS
<b>Required Text:</b>	<i>Anatomy and Physiology</i> , openstax open-access textbook <a href="https://openstax.org/details/books/anatomy-and-physiology">https://openstax.org/details/books/anatomy-and-physiology</a>
<b>Required Laboratory App:</b>	<i>Visible Body</i> : <a href="https://visiblebody.com">https://visiblebody.com</a> <i>Histology Guide</i> : <a href="http://histologyguide.com/">http://histologyguide.com/</a>
<b>Required Technology:</b>	Personal computer with reliable, high-speed internet access; webcam; <a href="#">Respondus LockDown Browser</a>

**Instructor:** Andrew J. Clark, Ph.D.

**e-mail:** [clarkaj@cofc.edu](mailto:clarkaj@cofc.edu)

**Office:** RITA 123

**Office Hours:** By appointment on Zoom

### **Course Description**

BIOL 221L, Human Anatomy & Physiology I lab, explores the gross morphology, microscopic anatomy, structure and function of the integumentary, skeletal, nervous, muscular (skeletal, cardiac, and smooth) and endocrine systems of the human body; and, provides hands-on experience for learning the topics and principles of physiology presented in the lecture.

### **Learning Outcomes**

1. Identify and use the basic vocabulary of human anatomy and physiology.
2. Reiterate key physiological processes, and the relationship between structure and function.
3. Relate physiology to human health and disease.
4. Demonstrate an understanding of the scientific method and experimental design.
5. Demonstrate continued development of written, oral, and computational skill sets.
6. Demonstrate the ability to work as part of team.

### **Assessment**

Assessment of the lab will be in the form of:

**Practical Exams:** There will be 3 practical exams

**Quizzes:** There will be 7 quizzes on material presented during the previous lab.

The laboratory component will make up 40% of your overall BIOL 221 grade. The lecture and laboratory components both count towards the final grade in BIOL 221, and are not assessed as separate units.

Questions on the lecture exams may cover any anatomical structure or physiological principle presented and emphasized in lab, including: 1) structures identified on anatomical lists, and their related functions; 2) material from the pre-lab and post-lab discussions; 3) background materials for lab activities posted on OAKS, VisibleBody.com and HistologyGuide.com. Lab quizzes will take 15 minutes, and lab exams will take 60 minutes. Although OAKS is able to automatically grade typed entries, it is not able to discern every acceptable answer variation; so, please allow time (48-72 hours) for your instructor to review each quiz/exam submission and update your grade.

Practical Exam 1	100 pts
Practical Exam 2	100 pts
Practical Exam 3	100 pts
Quizzes	15 pts x 7 = 100 pts (+ 5 extra)

**Total** **400 pts (40% of overall grade in BIOL221)**

### Lab Attendance

Attendance, in person or online (where applicable) at your registered lab meeting time is mandatory: All online lab assessment is synchronous. Lab quizzes and practical exams will be administered at the beginning of lab, and for a limited period of time. If you are late to lab, or miss lab altogether, you will miss the opportunity to answer those questions remaining after time expires.

### Wednesday/Thursday Lab Schedule

	Week of:	Topic	Book Chapters	Quizzes
<b>Module 1</b>	<b>8/24</b>	<b>No Lab</b>		
	<b>8/31</b>	Cell, Histology	3, 4	
	<b>9/7</b>	Histology	4	<b>Q1 - Cell, Histology</b>
	<b>9/14</b>	Integument	5	<b>Q2 - Histology</b>
	<b>9/21</b>	<b>Exam 1</b>		
<b>Module 2</b>	<b>9/28</b>	Bone, Axial Skeleton	6, 7	
	<b>10/5</b>	Axial Skeleton	7	<b>Q3 - Osteology, Skull</b>
	<b>10/12</b>	Appendicular Skeleton	8	<b>Q4 - Vertebrae</b>
	<b>10/19</b>	Appendicular Skeleton, Joints	8, 9	<b>Q5 - Appendicular</b>
	<b>10/26</b>	<b>Exam 2</b>		
<b>Module 3</b>	<b>11/2</b>	Muscle - Head/Torso	10,11	
	<b>11/9</b>	Muscle- Arms/Legs	11	<b>Q6 - Muscles: Head/Torso</b>
	<b>11/16</b>	Endocrine	17	<b>Q7 - Muscles: Arms/Legs</b>
	<b>11/23</b>	<b>Thanksgiving Break - No Lab</b>		
	<b>11/30</b>	<b>Exam 3</b>		

## Student Conduct

1. Students will follow all College-mandated COVID precautions, use of face-masks and other PPE (where directed), and social-distancing guidelines while in the classroom and/or lab.
2. There is to be no talking during the instruction period of the lab. If you have a question, please raise your hand (or indicate in Zoom) prior to asking the question. While answering a student's question, please remain quiet so that the student and other class members can hear the reply.
3. No outside materials may be used during quizzes or practical exams, and all quizzes/exams will use the Respondus LockDown Browser. In the face-to-face setting, there is to be no talking during the quizzes or practical exams. If you have a question, please raise your hand and remain quiet until the instructor can come to you.
4. Please silence cellular phones before entering the lab. If you use your cell-phone during lab you will be asked to leave the room.
5. Because we won't meet face-to-face at the beginning of the semester (or, you may have opted to take the course entirely online), it's essential that you maintain an active presence in the course, including: viewing the video lectures assigned to each topic; taking quizzes and exams at the times scheduled; and, attending office hours and review sessions on Zoom.
6. Please observe the following "netiquette" when meeting with others on Zoom review sessions or office-hours, or when participating in online discussions:
  - a. **Be kind and ethical.** Avoid using sexist, racist, and homophobic language in your writing and speaking; it will not be tolerated.
  - b. **Be aware** of how your communication may be perceived by others. For example, if you use ALL CAPITAL LETTERS, folks may interpret you are angry or shouting. Avoid sarcasm, as it is prone to misinterpretation.
  - c. **Be forgiving.** We all make communication faux pas, so ask clarifying questions rather than attacking. But if you experience any questionable or outright inappropriate behavior from your colleagues, please let me know.
  - d. **Cite your sources.** When you share information, it's important to support your claims with sources. This doesn't mean that you must have a citation for *everything* you post, but providing evidence will strengthen your arguments and will also provide additional resources for your colleagues. Furthermore, whenever you are using the intellectual property of others, you must always cite your sources.
  - e. **Help each other.** If you notice a colleague has asked a question or written about a problem, jump in and offer assistance. This is especially true in the OAKS discussion board.
7. No form of academic dishonesty is acceptable. Dishonesty includes, but is not limited to: cheating on an exam; stealing exam questions; substituting one person for another at an exam; falsifying data; destroying, tampering with, or stealing a computer program or file; and plagiarizing (using as one's own the ideas and writings of another). Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when identified, are investigated. Students can find the complete Honor Code and all related processes in the *Student Handbook* at <http://www.cofc.edu/generaldocuments/handbook.pdf>
8. If you have a documented disability than may require assistance, you will need to contact the Center for Disability Services for coordination of your academic accommodations. If the CDS will be involved in administering an exam, I request that you inform me in advance so that adequate accommodations can be made (e.g. the day before the exam is not acceptable).
9. No College of Charleston employee or student should be subject to unwelcome verbal or physical conduct. It is expected that students, faculty and staff will treat one another with respect. Individuals who violate this policy are subject to discipline up to and including termination and/or expulsion from the College and the possibility of civil and criminal prosecution.