

Human Anatomy & Physiology II Lab
BIOL 222L – Fall, 2018

Required text: *Human Anatomy and Physiology, 10th Ed. (Marieb and Hoehn)*
Recommended Resources: *Complete Anatomy (app), Mastering A&P (Pearson)*

Website: OAKS

Contact information:

Instructor: Mausumi Bandyopadhyay , Ph.D

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Office hours: By appointment

Course Description:

BIOL 222, Human Anatomy & Physiology II, explores the gross morphology, microscopic anatomy, structure and function of the nervous, cardiovascular, respiratory, renal, digestive, immune, and reproductive systems of the human body. In addition, the lab presents the histology and gross anatomy of these tissues, organs and organ systems, and provides hands-on experience for learning the topics and principles of physiology presented in the lecture. This course is intended for pre-allied health, pre-nursing, and physical education majors.

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:

- **Lab practical I (Midterm)** **150pts**
- **Lab Final** **150pts**
- **Quizzes** **80pts**
- **Participation** **20pts**

Lab Attendance

Lab attendance is mandatory. If you miss a lab due to an EXCUSED ABSENCE, then the quiz will be dropped and its score will result from the average of the other quizzes. Lab absences will incur a **30-point penalty**. You are allowed one absence (excused or unexcused) from lab without this penalty. Each lab you miss thereafter will incur a 30 point penalty, in addition to those points lost from missing lab

quizzes (or practical exams!). **If you miss 3 or more labs, FOR ANY REASON!, then you will receive a WA for the course (BIOL222+222L).** This is equivalent to an 'F'. This includes showing up late or leaving early for 3 or more labs. Outside of the scheduled lab sections on Monday through Thursday, the lab will be open Friday after 5pm and weekends) to allow additional time to study and learn the anatomy.

No food or drinks are allowed inside the lab and please wear closed toed shoes. Before leaving the laboratory organize and clean your lab area. Report any accident or injury to me or lab supervisor immediately.

Student Conduct

a. There is to be no talking during the instruction period of the lab. If you have a question, please raise your hand 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.

b. 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.

c. Please turn off all cellular phones before entering the lab. If you use your cell-phone during lab you will be asked to leave the room.

d. There is to be no talking during the instruction portion of the lab. If you have a question, please raise your hand 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.

e. Remember you are attending the lab to learn and apply the material/principles covered in the lecture, read newspapers/magazine, sleep, or distract the instructor or the other students.

f. If you have a documented disability than may require assistance, you will need to contact the Center for Disability Services for coordination in your academic accommodations. If the CDS will be involved in administering an exam, we request that you inform us in advance (e.g. the day before the exam is not acceptable). The CDS is located in the Lightsey Center in Suite 104. The CDS phone number is (843) 953-1431. For more information about disabilities, see <http://disabilityservices.cofc.edu>.

g. 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 disciplinary action up to and including termination and/or expulsion from the College and the possibility of civil and criminal prosecution.

h. Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when identified, are investigated. Each incident will be examined to determine the degree of deception involved.

Incidents where the instructor determines the student's actions are related more to a misunderstanding will be handled by the instructor. A written intervention designed to help prevent the student from repeating the error will be given to the student. The intervention, submitted by form and signed by both the instructor and the student, will be forwarded to the Dean of Students and placed in the student's file. Cases of suspected academic dishonesty will be reported directly by the instructor and/or others having knowledge of the incident to the Dean of Students. A student found responsible by the Honor Board for academic dishonesty will receive a XF in the course, indicating failure of the course due to academic dishonesty. This grade will appear on the student's transcript for two years after which the student may petition for the X to be expunged. The student may also be placed on disciplinary probation, suspended

(temporary removal) or expelled (permanent removal) from the College by the Honor Board.

Students should be aware that unauthorized collaboration--working together without permission-- is a form of cheating. No collaboration during the completion of the quizzes or exams is permitted. Other forms of cheating include possessing or using an unauthorized study aid (which could include accessing information stored on a cell phone), copying from others' exams, fabricating data, and giving unauthorized assistance.

Students can find the complete Honor Code and all related processes in the *Student Handbook* at <http://www.cofc.edu/generaldocuments/handbook.pdf>

**Biology 222 Lab Schedule
Fall, 2018
(Subject to change with notice)**

Week	Chapters	Subject
8/21		No Lab
8/27	11;12	Brain, Spinal Cord
9/3	11-13; 15	Cranial and peripheral nerves; Special Senses Quiz 1
9/10	15	Special Senses Quiz 2
9/17	18;19	Heart; EKG Quiz 3
9/24	19	Blood vessel; Blood pressure Quiz 4
10/1		Lab Practical I
10/8	17;20;21	Lymphatic; Blood; Immune system
10/15	22	Respiratory; Spirometry Quiz 5
10/22	25	Renal Anatomy; Urine analysis Quiz 6
10/29		Digestive system Quiz 7
11/5	10	Fall break; No lab
11/12	10; 16	Reproductive system Quiz 8
11/19	16	Thanksgiving Holidays; No lab
11/26		Final Exam (Non-cumulative)