

Human Anatomy & Physiology II
BIOL 222 – Spring 2018
12:15PM-1:30PM, Tuesday and Thursday, SSMB 129

Instructor: Dr. Andrew Clark
e-mail: clarkaj@cofc.edu
Office: Not on campus*
Office Hours: By appointment*

*My office is not on main campus, so meetings need to happen right after class or be arranged. Email me or talk to me after class.

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

Course Description

An introduction to the gross morphology, microscopic anatomy, structure and function of the nervous, vascular, respiratory, renal, digestive, immune, and reproductive systems of the human body. Lectures three hours per week; laboratory three hours per week. This course is intended for pre-allied health, physical education, and pre-nursing majors.

Learning Outcomes

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

LECTURE SCHEDULE

Week of	Topic	Book Chapters	Notes
1/8	Nervous System – CNS	11, 12	
1/15	CNS, PNS	12, 13	MLK 1/15
1/22	PNS, ANS, Sensory	13, 14, 15	
1/29	Cardiovascular	18	Exam 1: 1/30
2/5	Cardiovascular	18, 19	
2/12	Cardiovascular	19	
2/19	Lymphatics, Blood, Immune System	17,20,21	
2/26	Respiratory System	22	
3/5	Respiratory	22	Exam 2 – 3/6
3/12	Renal System	25, 26	

3/19	Spring Break, no lecture		
3/26	Renal	25, 26	
4/2	Digestive System	23	Exam 3 – 4/3
4/9	Digestive	23	
4/16	Reproductive System	27	Last Week of Class
4/26	FINAL EXAM	12:00PM-3:00PM	

LAB SCHEDULE

Week	Chapters	Subject	
1/8 & 1/15		No lab	
1/22	11, 12	Brain, Spinal Cord	
1/29	11, 13, 14	Cranial Nerves, Peripheral Nerves	Quiz 1
2/5	15	Special Senses Anatomy, Special Senses Physiology	Quiz 2
2/12	18	Heart, EKG	Quiz 3
2/19	19	Blood Vessels, Blood Pressure	Quiz 4
2/26		Lab Practical I	
3/5	17, 20, 21	Blood, Immune System, Lymphatics	
3/12	22	Respiratory, Spirometry	Quiz 5
3/19		Spring Break	
3/26	25, 26	Renal Anatomy, Urinalysis	Quiz 6
4/2	23	Digestive System	Quiz 7
4/9	27	Reproductive System	Quiz 8
4/16		Lab Practical II (Non-cumulative)	

Assessment

Assessment of the course will be in the form of 4 lecture exams, 2 lab practical exams, and 8 lab quizzes. The Laboratory component will make up 40% of your overall BIOL 222 grade. The lecture and laboratory components both count towards the final grade, and are not graded as separate units.

Lecture	
Exam 1	100 pts
Exam 2	100 pts
Exam 3	100 pts
Final Exam	300 pts
Lab	
Practical Exam 1	150 pts
Practical Exam 2	150 pts
Quizzes	80 pts
Participation	20 pts
Total	1000 pts

Exams will cover material presented in lecture and lab. Lecture exams (1, 2 and 3) and lab practical exams are non-cumulative and will test the material presented since the previous exam. The lecture final exam is a cumulative exam. Lab quizzes will cover material presented during the previous lab session.

Your grades are not curved! For students interested in health-related professions, please consider why this is important.

Grade Policy

93-100% A; 90-92% A-; 87-89% B+; 83-86% B; 80-82% B-; 77-79% C+; 73-76% C; 70-72% C-; 67-69% D+; 63-66% D; 60-62% D-; 0-59% F

Lecture Attendance

Your success in this course will depend on your attendance and study habits. Lectures will not necessarily cover introductory material or general information. Therefore, it is expected that you have read the assigned book chapter prior to attending lecture. The assigned book chapters should serve as an introduction to the topics to be discussed in lecture, and as a reference when studying the anatomical and physiological principles emphasized in lecture. Lecture PowerPoints will be posted to OAKS, but these do not contain notes, only figures used during lecture. You are encouraged to take advantage of every opportunity outside of the lecture to study the course material, whether that involves participating in study groups or attending SI study sessions. Please consider these opportunities and incorporate them into your study habits!

Student Conduct

1. There is to be no talking during the lecture. 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.
2. Remember, you are attending the lecture to learn, not to text-message, surf the internet, sleep, or distract the instructor or the other students.
3. Please turn off all cellular phones, tablets/laptops before entering the lecture. Bring a pen/pencil and paper; take notes, draw diagrams and become proficient illustrating the anatomy that underlies the physiological concepts!
4. Be prepared! Read the relevant sections in the assigned book chapters before coming to class and lab.
5. 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). If you are caught cheating you will be reported to the Chair of the Biology Department and you will

receive a grade of 0 points for the paper, project, or exam in which the dishonesty was observed. Additionally, you may also receive an F for the course and may receive additional disciplinary action through the Dean of Students and Honor Board.

6. 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, 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>.

7. 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.