



BIOLOGY 222 Course Syllabus: Human Anatomy and Physiology II Fall – 2018

Instructor: Mausumi Bandyopadhyay, Ph.D

Office: RITA/Rm 204

Phone: 953-7112

Office hours: By appointment

E-mail: bandyopadhyaym@cofc.edu

Text Book: Human Anatomy and Physiology, 10th Ed. (Marieb and Hoehn)

Textbook is your main source of reference, review and learning.

Other Recommended Resources: Complete Anatomy (app), Mastering A&P (Pearson)

Lecture time and location:

Lecture will meet in Room 154 in the Rita Liddy Hollings Science Center (RITA) from 8:00 am to 9:15 am on Tuesday and Thursday each week.

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.

Prerequisites: Biology 111, 112 and 221 with labs.

Course Objectives and Student Learning outcomes:

- Students will attain a basic understanding of the human body as well as structure-function relationships between different parts of the body
- Students will learn the essential terminology necessary to properly describe the fundamental relationships and orientation of structures in the human body.
- Students will be able to relate physiology to human health and disease.
- Demonstrate an understanding of the scientific method and experimental design
- Demonstrate the ability to effectively communicate and work collaboratively together with peers in the laboratory.
- Students will demonstrate continued development of written, oral, and computational skill sets

Grading:

Lecture grades

- **Lecture exams:** 3 exams 100 points each **300pts**
- **Final Exam**..... **240pts**
- **Quizzes** 3 quizzes 20 points each **60pts**

Laboratory Grades

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

The lecture and laboratory components both count towards the final grade in BIOL 222, and are not assessed as separate units.

- Letter grades are based on the following scale (percentage):
A 93 - 100
A- 90 - 92
B+ 87 - 89
B 83 - 86
B- 80 - 82
C+ 77 - 79
C 73 - 76
C- 70 - 72
D+ 67 - 69
D 63 - 66
D- 60 - 62
F less than 60

- You are encouraged to take advantage of the Center for Student Learning's academic support services. You will be offered a variety of services, including study strategies, speaking and writing strategies, and course content. The center provides tutoring, supplemental instruction, and workshops. A SI will also be available for lectures.

Attendance Policy:

Before attending the class, you must meet all the prerequisites and officially register for this course. **Attendance is mandatory.** Class distractions should be kept to a minimum. Tardiness causes distraction in the learning environment. Therefore, students will only have a 5 minute period after class is in session to settle down.

Test make-ups are strongly discouraged and will not generally be allowed unless the student can properly justify the absence with documentation. Only one make-up exam is allowed, and only with a valid, documented excuse. There will also be **NO MAKE-UPS** for the laboratory practical.

Disabilities: The College will make reasonable accommodations for individuals with documented disabilities. Students should apply for services at the Center for Disability Services/SNAP located on the first floor of the Lightsey Center, Suite 104. Students approved for accommodations are responsible for notifying me as soon as possible.

Academic Dishonesty:

Academic dishonesty is not tolerated at College of Charleston. Academic dishonesty includes, but is not limited to, inappropriate use of a college computer or cellphone, unauthorized collaboration, plagiarism, and falsification of information. Students are responsible for adhering to all the policies and procedures in the College of Charleston Student Handbook.

Guidelines for this course will follow the College of Charleston Undergraduate Catalog policies for Academic Integrity and the Honor Code, Student Code of Conduct, and Classroom Code of Conduct. Students can find the complete Honor Code and all related processes in the *Student Handbook* at <http://www.cofc.edu/generaldocuments/handbook.pdf>

When a student is suspected of violating the Honor Code, he or she will be reported to the Dean of Students by the instructor. Furthermore, students will receive a XXF for the course to indicate course failure as a result of academic dishonesty. This notation will remain for two years, after which the student may petition to have it expunged. However, the F will remain on the student's record. Individuals may also be subject to disciplinary probation, suspension, or expulsion from College of Charleston by the Honor Board.

Use of Cell Phones and Computers:

Cell phones are encouraged only when it is during an activity where students are engaged with materials and may want to reference to a picture (i.e. labs). **Please turn all electronic devices off or on vibrate before entering class.**

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

Week of	Chapter	Subject	Exam
8/21	11;12	Nervous System – CNS	
8/27	12;13;14	CNS, PNS; ANS	
9/3	14;15	ANS, Special senses	
9/10	15; 18	Special senses; CVS	Quiz 1 9/11 (Chs 12&13)
9/17	18;19	CVS; Review	Exam 1 (Chapters 12- 15) 9/18
9/24	17;20;21	Lymphatic; Blood; Immune system	
10/1	17;20;21	Lymphatic; Blood; Immune system	
10/8	22	Respiratory system	Quiz 2 10/9 (Chs 17-20)
10/15	22	Respiratory system; Review	Exam 2 (Chapters 17-21) 10/18
10/22	25;26	Urinary system	
10/29	23;25;26	Urinary and Digestive system	Quiz 3 11/1 (Chs 22&25)
11/5	23	Digestive system	
11/12	27	Reproductive system; Review	Exam 3 (Chapters 22;23;25;26) 11/15
11/19		Thanksgiving Holidays; No class	
11/26	27	Reproductive system	Last week of class
12/8		Final Exam (Cumulative)	12/8 (12 noon – 3pm)

Lab attendance is mandatory.

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!).

Outside of the scheduled lab sections, lab will be open during weekends to allow additional time for study.

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 your Instructor or lab supervisor immediately.

**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)

Additional Information:

- **Make sure that you check your college Email Daily!**
 - All communication pertaining to the lecture and lab will be done through your college e-mail and OAKS account.
 - You are responsible for all the information provided in the e-mails sent to you, and you must check for messages on a daily basis throughout the entire semester, including the weekend.
- **Where to find your grades:**
 - The grades will be posted on OAKS.
- **PowerPoints will be posted on OAKS.**
 - I use PowerPoints during the lecture, and I also place notes on the board.
- **Extra Credit Policy:**
 - I do not offer any additional work for extra credit

Important Dates:

- **Monday, August 27** – Drop/Add
- **Wednesday, October 24** – last day to withdraw with a “W” grade
- **Saturday December 8** – Final Exam (12 noon – 3pm) in your regular classroom (RITA/154)