Human Anatomy & Physiology II Laboratory
BIOL222L – 01
Spring 2022

Instructor: William Roumillat
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office hours: Monday 8:30 – 10:00 AM, Wednesday 11:00 AM – 1:00 PM, and by appointment. Your best bet is to contact me through email. I check my email frequently and I will reply, but please anticipate a 24-hour response time.

Required text: Anatomy and Physiology, openstax open-access textbook (Free)
https://openstax.org/details/books/anatomy-and-physiology

Required Software: Visible Body: ($49.99), you will still have access if purchased in Summer/Fall 2021
Visible Body access URL:
https://courseware.visiblebody.com/courses/63992/join?join_course_token=bCdiUTiYuZqid78FfSgrwEo8&site_license=false

Histology Guide: http://histologyguide.com (Free)

Required Hardware: Personal computer with reliable, high-speed internet access;
webcam for use with LockDown Browser/Monitor.

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

ATTENDANCE POLICY
You are expected to attend your assigned laboratory section each week. Please inform your laboratory instructor if you need to miss a lab due to illness or for another reason. It is up to your laboratory instructor to determine if your absence is excused and it is your responsibility to contact your instructor to make up any missed material, quizzes, assignments, etc. COVID-19 isolation and quarantine will be accommodated as needed.

MASK POLICY
MASKS are REQUIRED to be worn at all times while in RITA Science Center, including inside the laboratory room. You MAY NOT eat or drink in the laboratory, you must go to the hallway to do so. Thus, your mask should always be on and covering your nose, mouth and chin in the laboratory room. Failure to follow the mask procedure will result in dismissal from lab and could result in referral to the Dean of Students.
**SCHEDULE**

<table>
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<tr>
<th>Week of</th>
<th>Book Chapters</th>
<th>Topic</th>
<th>Homework</th>
<th>Physiology Labs</th>
<th>Quizzes/Exams</th>
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<tr>
<td>Jan 24</td>
<td>11, 12, 13</td>
<td>Brain, Spinal Cord</td>
<td>HW1</td>
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<tr>
<td>Jan 31</td>
<td>13, 14</td>
<td>Peripheral Nerves</td>
<td>HW2</td>
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<td>Quiz 1 (Brain, Spinal Cord)</td>
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<td>Feb 7</td>
<td>13, 14</td>
<td>Special Senses</td>
<td>HW3</td>
<td>Virtual Lab 1</td>
<td>Quiz 2 (Peripheral Nerves)</td>
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<tr>
<td>Feb 14</td>
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<td></td>
<td></td>
<td></td>
<td>Practical Exam 1 (Brain, Spinal Cord, Peripheral Nerves, Special Senses)</td>
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<tr>
<td>Feb 21</td>
<td>15, 19</td>
<td>Heart</td>
<td>HW4</td>
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<td>Feb 28</td>
<td>19, 20</td>
<td>Blood Vessels</td>
<td>HW5</td>
<td>Virtual Lab 2</td>
<td>Quiz 3 (Heart)</td>
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<td>March 7</td>
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<td>SPRING BREAK</td>
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<td>SPRING BREAK</td>
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<tr>
<td>March 14</td>
<td>18,21,22</td>
<td>Immune/Lymphatic/Respiratory</td>
<td>HW6</td>
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<td>Quiz 4 (Blood Vessels)</td>
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<td>March 21</td>
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<td>Practical Exam 2 (Heart, Blood Vessels, Immune, Lymphatic, Respiratory)</td>
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<td>March 28</td>
<td>25, 26</td>
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<td>April 4</td>
<td>25</td>
<td>Reproductive</td>
<td>HW7</td>
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<td></td>
<td>Practical Exam 3 (Urinary, Reproductive, Digestive)</td>
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**Homework:** There are 8 homework assignments that you will turn in the week of your lab. These are completed outside of lab and then submitted to a Dropbox in OAKS. Your instructor will provide specific details on what you need to do and turn in for the homework.

**Physiology Labs:** You will be provided with a link to a website and given instructions on how to complete the online physiology laboratories. You will upload your results into a Dropbox in OAKS.

**Quizzes:** Cover material from the PREVIOUS laboratory only. They include a mixture questions from visible body, laboratory models, and/or laboratory physiology exercises. You will be asked to identify structures and/or give their functions. Quizzes are administered using Lockdown Browser/Monitor within OAKS. They are open for a specific time window associated with your laboratory. Questions are split as follows: approximately, 80% identify and 20% function.

**Practical Exams:** Cover all material prior to the Practical but after the previous exam; thus, they are NOT cumulative. They include a mixture questions from visible body, laboratory models, and/or laboratory physiology exercises. You will be asked to identify structures and/or give their functions. Practical
exams are administered using Lockdown Browser/Monitor within OAKS. They are open for a specific time window associated with your laboratory. Questions are split as follows: approximately, 80% identify and 20% function.
ASSESSMENT
The lecture and laboratory components both count towards the final grade and are not graded as separate units. Below are the points you can earn for laboratory, which will be added to the lecture points and the overall point total will determine your final grade [see lecture syllabus].

Practical Exam 1  80 pts
Practical Exam 2  80 pts
Practical Exam 3  80 pts
Quizzes              100 pts
Homework  40 pts
Physiology Labs  20 pts

Total            400 pts

STUDENT CONDUCT
1. No form of academic dishonesty is acceptable. Dishonesty includes but is not limited to cheating on an exam; stealing exam questions; 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 may receive disciplinary action through the Dean of Students and Honor Board.
2. 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.
3. 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.
4. You are expected to work alone without the use of outside resources or other persons for quizzes and practical exams. Violation of #4 is an offense that will be referred to the Honor Board.