

## BI 232: HUMAN ANATOMY & PHYSIOLOGY- WINTER, 2021

**INSTRUCTOR:** Rachel Jacobs

**E-MAIL\*:** jacobsr@linnbenton.edu

**ZOOM OFFICE HOURS:** Tuesdays 11:00am-12:20pm  
Wednesday 11:00am-12:20pm

\*Please feel free to contact me via e-mail at any time,  
I will respond to your e-mail within 24 hours.

**LECTURE:** Weekly Zoom recordings on Moodle

**LAB\*\*:** Wednesday 1:00-2:50pm, CRN 31380

Thursday 8:00-9:50am, CRN 30392

Thursday 10:30am-12:20pm, CRN 30117

Thursday 1:00-2:50pm, CRN 33381

\*\*Labs are held in WOH 214 & 216. You must attend the lab you registered. Absolutely ***NO*** exceptions will be made due to strict COVID distancing requirements.

### **COURSE DESCRIPTION**

Human Anatomy and Physiology: BI 232 is part of a three-term sequence intended for those desiring to enter the health profession. In this term we will study the nervous system, the senses, the endocrine system, and the cardiovascular system. Because the body can best be understood as a unified structure, I will emphasize the interrelationships between the body's parts, coordination between cells and organs, control systems, and homeostasis.

Course activities include lecture, laboratory work, discussions, homework, in-class activities, and exams. After successful completion of BI 232 with a "C" or better, you should be able to:

1. Demonstrate knowledge of nervous, endocrine, and cardiovascular system structure and be able to relate it to its function.
2. Use appropriate terminology to effectively communicate information related to anatomy and physiology.
3. Recognize the interrelationships between and within physiological systems.
4. Recognize the principles of homeostasis in a physiological system.
5. Evaluate case based scenarios effectively using knowledge of anatomy and physiology.

### **REQUIRED MATERIALS**

Direct Digital Access to Modified Mastering A&P (*included with registration*)  
Anatomy & Physiology Custom Lab Manual for LBCC  
Lebsack's, BI 232 Study Guide: Human Anatomy & Physiology

### **GRADING**

Your grade will be determined by your performance in several categories. The contribution of each category towards the final grade is shown below:

Lecture Quizzes .....	2 @ 25pts each =	50	A = 90 - 100%
Midterm.....	=	50	B = 80 - 89%
Lab Quizzes (2).....	=	30	C = 70 - 79%
Lab Activities & PreLabs.....	=	45	D = 60 - 69%
Weekly Forum (10 @ 2 pts each).....	=	20	F = 59.9% or below
Writing Prompts (10 @ 3 pts each).....	=	30	
Homework.....	=	40	
Comprehensive Final Exam.....	=	<u>100</u>	
Total Points Possible.....		365	

The above distribution of points is *approximate* and as with the course schedule, subject to minor changes. Your point standing in the class, which will be figured on a percentage basis, will determine your grade. Your grades will be available to you on Moodle during the term.

### **CLASS ATTENDANCE, ASSIGNMENTS, AND ASSESSMENT**

Course assignments, quizzes, and exams give you a chance to review and to be challenged by the material you have learned. They help you evaluate how you are doing in the course. **All lab work, forum posts, writing prompts and assignments are due by 5pm each Friday, late work will not be accepted for any reason.** You are always welcome to submit work earlier during the week. You may submit assignments by sending a picture/scanned

document/digital version to my e-mail address. I will always send a confirmation that your assignment was received and that I was able to view/open your work. *If you do not receive confirmation, then I did not receive the assignment and it is your responsibility to resubmit.*

Lab quizzes will be completed during the in-person labs and are not offered virtually. You must be present to complete the lab quizzes. If you must miss a lab quiz due to illness, there will be a single lab quiz offered during week 11 that may be used to replace that *one missing* lab quiz grade. Only one lab quiz may be made up due to absence.

Lecture quizzes, the midterm and final will consist of a variety of formats but will be conducted entirely online via the Mastering online platform. All assessments must be completed during the specified scheduled time frame so. If you are unable to complete the assessment at that time (conflicting work schedule for example), you must contact me **BEFORE** the exam or quiz is given. I will consider situations on a case-by-case basis, *but make-ups and retakes will not be given, and no exams are dropped in this course.* ALL exams and quizzes are closed book, closed note and you are expected to complete them independently. Once you open a quiz or exam on Mastering, the timer starts automatically. Once you submit an answer to a question on Mastering, *you will not be able to change it later during the exam.* This is one of the online assessment features used to discourage academic dishonesty. Make sure you have good internet connectivity and access, do not attempt to complete the exams on a phone (there are formatting issues with Mastering when using smart phones).

### **LECTURE**

The lecture is a very important part of this course. Watching the posted lectures is *essential* for achieving a good grade. I encourage you to use your course schedule to identify the topics that we will focus on during the posted lecture and review the appropriate material in your textbook and Study Guide before watching the lecture.

### **LEARNING OBJECTIVES**

The “Learning Objectives”, located at the beginning of each section in the Study Guide, point out major facts and concepts that you should use to direct your studies. It is important to realize that this course is much more than learning a series of related facts and concepts. You will need to *apply* your knowledge. This may require you to develop new learning skills and strategies. Part of the class goal is to facilitate the development of these skills.

### **LABORATORY**

There will be approximately 1 hour of lab material you must complete *before* you attend the 2 hour in-person continuation of the lab. This 5-credit class has 3 hours of lab as an expectation. Material presented in lab will both complement lecture material and represent a portion of each future exam. **You must attend and complete at least 70% of the labs to pass the class.**

**FACE MASKS ARE REQUIRED BY ALL STUDENTS AT ALL TIMES WHILE ON CAMPUS AND IN THE CLASSROOM. I cannot make individual exceptions for any reason. If you do not comply with this college requirement, you will be asked to leave the classroom.**

### **STUDY SUGGESTIONS**

There are many study strategies that can help you be successful in this class. These include the following:

- **Rewrite class notes in your own words** each day so you can gauge your understanding and ask questions on material you do not understand.
- **Keep up** with the information presented in class by **reviewing** a little each day.
- **Read your textbook** when there are areas that we have covered in class that are unclear to you.
- **Turn assigned work in on time.**

Keeping up with your reading and the class material pays off in the long run because you will not have to “cram” for exams. More importantly, studying regularly helps you learn better. You will find that every topic is connected to those that precede and follow it. If you study and understand each topic as you go, you will have a firmer foundation for learning what comes next.

Additional instructional services, are available for all students at the Learning Center. Please visit the LBCC webpage for more information about services available through this campus resource.

### **MOODLE & MASTERING A&P**

Moodle will be used extensively and is essential for success in this course. Lecture materials and recordings, supplemental materials, lab plans and assignment details will be posted to the Moodle site. As such, it is the responsibility of the student to establish their access to the Moodle site and update their e-mail address on the site to ensure they receive any correspondence from me or other students. Mastering A&P is an online learning platform that is accessible to students who have purchased the required materials for this course. Online assignments will be available throughout the term to help you manage the material presented in this course. This is an excellent resource for self-assessment as well. You are encouraged to check your e-mail and Moodle *daily*, Monday-Friday.

### **STUDENT BEHAVIOR**

Although collaboration is important in learning, ultimately each student is responsible for demonstrating individual ability. **Cheating on exams and copying homework/activities will result in a zero for that activity and may result in further disciplinary action.** Copying exam questions, taking pictures of exams or other forms of documentation are strictly prohibited at all times & any student engaging in such activities may face further disciplinary consequences. **Plagiarism** is also cheating and includes turning in someone else's work as if it were your own, using sources (another person's ideas, words, or facts) without giving credit to them, not listing sources at the end of a paper or copying a paper off the Internet, etc. Further details about LBCC's policy on cheating may be found in the Administrative Rule: 7030-02, Academic Integrity. The basis for determining behavior and expectations in this class is outlined in the LBCC Student Handbook.

### **ACCOMODATIONS AND EMERGENCY PLANNING**

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in this class, please talk to me as soon as possible to discuss your needs. If you believe you may need accommodations, but are not yet registered with CFAR, please go to <http://linnbenton.edu/cfar> for steps on how to apply for services or call 541-917-4789.

### **LEARNING ENVIRONMENT**

I value the learning experience of every student in my class. I ask that we do not tolerate any disrespectful behavior towards anyone else online or in person. If you have a problem or witness anything concerning, please let me know. Maintaining a respectful and peaceful class atmosphere is an important component to facilitating your success as students. The LBCC community is enriched by diversity. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. I actively support this right regardless of race, creed, color, personal opinion, gender, sexual orientation, or any of the countless other ways in which we are diverse.

**BI 232 - Human Anatomy & Physiology**  
**Tentative Lecture & Laboratory Schedule, Winter 2022**

	<b>Lecture &amp; Assessment Schedule</b>	<b>Laboratory</b>
<b>1</b> 1/3/21 - 1/9/21	Lecture Topics: <ul style="list-style-type: none"> <li>• Introduction to the Nervous System</li> <li>• Neurons &amp; Neural Integration</li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Neurons</li> </ul>
<b>2</b> 1/10/21 - 1/16/21	Lecture Topics: <ul style="list-style-type: none"> <li>• CNS - Brain &amp; Spinal Cord</li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Brain Anatomy</li> </ul>
<b>3</b> 1/17/21 - 1/23/21 <b>MLK Observed, College Closed 1/18/21</b>	Lecture Topics: <ul style="list-style-type: none"> <li>• CNS <i>cont.</i></li> <li>• Peripheral Nervous System</li> </ul>	<b>Lab Quiz #1 - Brain Anatomy (20 points)</b>  Lab Topic: <ul style="list-style-type: none"> <li>• Spinal Cord &amp; Reflexes</li> </ul>
<b>4</b> 1/24/21 - 1/30/21	<b>Lecture Quiz #1 (30 minutes) - Complete Monday, 1/25/21 on Mastering. Open between 7am and 7pm.</b>  Lecture Topic: <ul style="list-style-type: none"> <li>• Special Senses</li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Autonomic Nervous System</li> </ul>
<b>5</b> 1/31/21 - 2/6/21	Lecture Topic: <ul style="list-style-type: none"> <li>• Special Senses <i>cont.</i></li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Special Senses Part 1</li> </ul>
<b>6</b> 2/7/21 - 2/13/21	<b>Midterm (60 minutes) - Complete Monday, 2/8/21 on Mastering. Open between 7am and 7pm.</b>  Lecture Topic: <ul style="list-style-type: none"> <li>• Endocrine System</li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Special Senses Part 2</li> </ul>
<b>7</b> 2/14/21 - 2/20/21 <b>Presidents Day, College Closed 2/15/21</b>	Lecture Topic: <ul style="list-style-type: none"> <li>• Endocrine System <i>cont.</i></li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Endocrine Talks</li> </ul>
<b>8</b> 2/21/21 - 2/27/21	<b>Lecture Quiz #2 (30 minutes) - Complete Monday, 2/22/21 on Mastering. Open between 7am and 7pm.</b>  Lecture Topic: <ul style="list-style-type: none"> <li>• Cardiovascular System - Blood</li> </ul>	Lab Topic: <ul style="list-style-type: none"> <li>• Blood</li> </ul>
<b>9</b> 2/28/21 - 3/6/21	Lecture Topic: <ul style="list-style-type: none"> <li>• Cardiovascular System - Heart</li> </ul>	<b>Lab Quiz #2 - Heart Anatomy (10 points)</b>  Lab Topic: <ul style="list-style-type: none"> <li>• Heart Anatomy</li> </ul>

<b>10</b> 3/7/21-3/13/21	Lecture Topic: <ul style="list-style-type: none"><li>• Cardiovascular System – Heart <i>cont.</i></li></ul>	Lab Topics: <ul style="list-style-type: none"><li>• Cardiovascular Physiology</li></ul>
-----------------------------	---	---

**Week 11: Final Exam is Monday, March 15<sup>th</sup>, allow for 1 hour and 50 minutes to complete the exam. Open on Mastering from 7am to 7pm.**