

BI 231: HUMAN ANATOMY & PHYSIOLOGY- FALL, 2021

INSTRUCTOR: Rachel Jacobs

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ZOOM OFFICE HOURS: Wednesdays 12:00-1:00pm
Fridays 9:30-10:30am

*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 2:00-4:50pm, CRN 20654

Thursday 8:00-10:50am, CRN 20144

Thursday 11:00am-1:50pm, CRN 26076

**Labs are held in WOH 216. You must attend the lab you registered for.

COURSE DESCRIPTION

Human Anatomy and Physiology: BI 231 is part of a three-term sequence intended for those desiring to enter the health profession. This course has a prerequisite of BI 112 **AND** MTH 065. BI 231 is an introduction to the structure and function of the human body. This term we will study basic chemistry, cells and tissues, as well as the muscular and skeletal systems. Because the body can best be understood as a unified structure, I will emphasize the interrelationships between the body parts, coordination between cells and organs, control systems, and homeostasis.

Course activities include lecture, laboratory work, online forums, homework, writing prompts, and exams. After successful completion of BI 231 with a "C" or better, you should be able to:

1. Demonstrate knowledge of the cell, tissues, skin, the skeletal system and muscles and should be able to relate their structures to their functions.
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 231 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 @ 20pts each =	40	A = 90 - 100%
Midterm.....	=	50	B = 80 - 89%
Lab Quizzes (3).....	=	60	C = 70 - 79%
Lab Activities & PreLabs.....	=	40	D = 60 - 69%
Moodle Forums (8 @ 2 pts each).....	=	16	F = 59.9% or below
Writing Prompts (9 @ 4 pts each).....	=	36	
Homework.....	=	44	
Comprehensive Final Exam.....	=	<u>100</u>	
Total Points Possible.....		386	

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 & LAB, 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 PreLabs are due at the beginning of lab and a paper copy will be turned in *before* lab begins. All lab assignments, forum posts, writing prompts and homework assignments are due before 5pm each Friday, *late work will not be accepted for any reason*.** You are always welcome to submit work earlier during the week, I encourage early submissions! 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.* Alternatively, you may physically submit work during your lab if you'd prefer.

Exams and quizzes will be completed during the in-person labs and are not offered virtually. You must be present to complete the assessments. The in-person lecture quizzes, midterm and final will consist entirely of multiple-choice questions. No exams or quizzes are dropped and they do represent a significant portion of your class grade.

Please understand that the in-person lab experience may change. If I become ill or if the college changes policy regarding face-to-face offerings due to the pandemic, the lab and assessments may be changed to a remote format. I will communicate any such changes via email and with Moodle announcements. Check Moodle and your LBCC email regularly.

If you are ill, please do not attend lab on campus. If you are unable to attend lab due to illness, please contact me ***BEFORE YOUR LAB TIME***. We will coordinate an alternative lab experience for you to complete before the Friday 5pm weekly deadline, you are still accountable for all assignments as late work is not accepted. I require advance notice so that I can create a comparable alternative lab experience. This opportunity will only be available at my discretion, and you may be asked to provide documentation to support your absence. A maximum of 2 labs will be offered remotely in the case of excused absence. If you miss a quiz or exam, we will coordinate a way for you to take it through Student Assessment, on campus with me at a scheduled time, or via a ***live*** zoom call with me (you will need access to a device with a camera and microphone in that case). You must complete 70% of labs to pass this class.

FACE COVERINGS ARE REQUIRED BY ALL STUDENTS AND LBCC EMPLOYEES AT ALL TIMES WHILE ON CAMPUS AND IN THE CLASSROOM. *I cannot make individual exceptions for any reason.* Face shields are not considered an acceptable face covering by the college. Masks will be available for students should they forget one. You are encouraged to wash your hands (or use hand sanitizer) prior to lab.

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 e-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.

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** 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 e-textbook** when there are areas that we have covered in class that are unclear to you.
- **Turn assigned work in on time (or early).**

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, 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 that have registered for this course. You can access Mastering through our Moodle page. *You will need to establish your access to Mastering during the first week of the term.* This is an excellent resource for self-assessment and there will be assignments through Mastering on occasion. 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.

SUPPORT

There are many resources available to students through the college. These are challenging times and I want my students to feel supported so please communicate with me if you are struggling in any way. I have high expectations, but I want to see you succeed. Please feel free to reach out at any time and I will do my best to address your concerns, questions or academic needs!

BI 231 - Human Anatomy & Physiology
Tentative Lecture & Laboratory Schedule, Fall 2021

Week	Lecture and Assessment Schedule	Laboratory
1 9/26/21 - 10/2/21	Lecture Topics: <ul style="list-style-type: none"> • Basic Principles • Concepts of Chemistry 	Lab Topic: <ul style="list-style-type: none"> • Basic Skills
2 10/3/21 - 10/9/21	Lecture Topic: <ul style="list-style-type: none"> • Biomolecules 	Lab Topic: <ul style="list-style-type: none"> • Enzymes
3 10/10/21 - 10/16/21	Lecture Topics: <ul style="list-style-type: none"> • Introduction to Cells • Cell Membranes & Organelles • The Cell Cycle 	Lecture Quiz #1 (20 points) Lab Topic: <ul style="list-style-type: none"> • Cells
4 10/17/21 - 10/23/21	Lecture Topics: <ul style="list-style-type: none"> • Membrane Transport & Osmosis • Introduction to Tissues 	Lab Topics: <ul style="list-style-type: none"> • Osmosis • Membrane Permeability
5 10/24/21 - 10/30/21	Lecture Topic: <ul style="list-style-type: none"> • Tissues 	Midterm (50 points) Lab Topic: <ul style="list-style-type: none"> • Tissues
6 10/31/21 - 11/6/21	Lecture Topics: <ul style="list-style-type: none"> • Skin • Skeletal System 	Lab Quiz #1 - Tissues (15 points) Lab Topic: <ul style="list-style-type: none"> • Skeletal System
7 11/7/21 - 11/13/21 Veteran's Day Observed - LBCC Closed on 11/11/21	Lecture Topic: <ul style="list-style-type: none"> • Skeletal System 	<i>Lab is remote this week, check Moodle for details.</i> Lab Topic: <ul style="list-style-type: none"> • Skeletal System
8 11/14/21 - 11/20/21	Lecture Topic: <ul style="list-style-type: none"> • Muscular System 	Lecture Quiz #2 (20 points) Lab Quiz #2 - Skeletal System Anatomy (30 points) Lab Topic: <ul style="list-style-type: none"> • Muscular System
9 11/21/21 - 11/27/21 Thanksgiving Holiday, LBCC Closed 11/25 - 11/26	Lecture Topic: <ul style="list-style-type: none"> • Muscular System 	No Lab
10 11/28/21 - 12/4/21	Lecture Topic: <ul style="list-style-type: none"> • Muscular System 	Lab Quiz #3 - Muscular System Anatomy (15 points) Lab Topics: <ul style="list-style-type: none"> • Muscular System

Week 11 – Final Exams

- CRN 20654 (Wednesday 2pm lab) = the final is Wednesday, 12/8/21 @ 3:00-4:50pm
- CRN 20144 (Thursday 8am lab) = the final is Tuesday, 12/7/21 @ 7:30-9:20am
- CRN 26076 (Thursday 11am lab) = the final is Tuesday, 12/7/21 @ 12:30-2:20pm