

BI 231: HUMAN ANATOMY & PHYSIOLOGY- FALL, 2020

INSTRUCTOR: Rachel Jacobs

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ZOOM OFFICE HOURS: Tuesdays 1:00-2:00pm
Fridays 10:00-11:00am

*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 9:00-10:50am, CRN 20654

Wednesday 11:30am-1:20pm, CRN 23536

Wednesday 2:00-3:50pm, CRN 27596

Thursday 9:00-10:50am, CRN 20144

Thursday 11:30am-1:20pm, CRN 26076

Thursday 2:00-3:50pm, CRN 27597

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 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%
Weekly Forum (10 @ 2 pts each).....	=	20	F = 59.9% or below
Writing Prompts (9 @ 4 pts each).....	=	36	
Homework.....	=	40	
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, 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.* Alternatively, you may physically submit work during your lab if you'd prefer.

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. This quiz will be a combination of the material from all 4 lab quizzes given over the term and may only be taken to replace a *single missing lab quiz* (not to replace a low score).

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.

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 COVERINGS 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 231 - Human Anatomy & Physiology
Tentative Lecture & Laboratory Schedule, Fall 2020

Week	Lecture and Assessment Schedule	Laboratory
1 9/28/20 - 10/2/20	Lecture Topics: <ul style="list-style-type: none"> ● Basic Principles ● Concepts of Chemistry 	Lab Topic: <ul style="list-style-type: none"> ● Basic Skills
2 10/5/20 - 10/9/20	Lecture Topic: <ul style="list-style-type: none"> ● Biomolecules 	Lab Topic: <ul style="list-style-type: none"> ● Enzymes
3 10/12/20 - 10/16/20	Lecture Topics: <ul style="list-style-type: none"> ● Introduction to Cells ● Cell Membranes & Organelles ● The Cell Cycle 	Lab Topic: <ul style="list-style-type: none"> ● Cells
4 10/19/20 - 10/23/20	<p style="text-align: center;"><i>Lecture Quiz #1 (25 minutes) - Complete Monday, 10/19/20 on Mastering. Open between 7am and 7pm.</i></p> 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 10/26/20 - 10/30/20	Lecture Topic: <ul style="list-style-type: none"> ● Tissues 	Lab Topic: <ul style="list-style-type: none"> ● Tissues
6 11/2/20 - 11/6/20	Lecture Topics: <ul style="list-style-type: none"> ● Skin ● Skeletal System 	<p style="text-align: center;"><i>Lab Quiz #1 - Tissues (15 points)</i></p> Lab Topic: <ul style="list-style-type: none"> ● Skeletal System
7 11/9/20 - 11/13/20 Veteran's Day Observed - LBCC Closed on 11/11/20	<p style="text-align: center;"><i>Midterm (55 minutes) - Complete Monday, 11/9/20 on Mastering. Open between 7am and 7pm.</i></p> Lecture Topic: <ul style="list-style-type: none"> ● Skeletal System 	<p style="text-align: center;"><i>Lab is online this week, campus is closed on Wednesday.</i></p> Lab Topic: <ul style="list-style-type: none"> ● Skeletal System
8 11/16/20 - 11/20/20	Lecture Topic: <ul style="list-style-type: none"> ● Muscular System 	<p style="text-align: center;"><i>Lab Quiz #2 - Skeletal System Anatomy (30 points)</i></p> Lab Topic: <ul style="list-style-type: none"> ● Muscular System
9 11/23/20 - 11/27/20 Thanksgiving Holiday, LBCC Closed 11/26 - 11/27	<p style="text-align: center;"><i>Lecture Quiz #2 (25 minutes) - Complete Monday, 11/23/20 on Mastering. Open between 7am and 7pm.</i></p> Lecture Topic: <ul style="list-style-type: none"> ● Muscular System 	No Lab
10 11/30/20 - 12/4/20	Lecture Topic: <ul style="list-style-type: none"> ● Muscular System 	<p style="text-align: center;"><i>Lab Quiz #3 - Muscular System Anatomy (15 points)</i></p> Lab Topics: <ul style="list-style-type: none"> ● Muscular System

Week 11: Final Exam is Monday, December 7th, allow for 1 hour and 50 minutes to complete the exam. Open on Mastering from 7am to 7pm.