

## HUMAN ANATOMY & PHYSIOLOGY BI 231 – Winter 2021

INSTRUCTOR: Steven Skarda

Lecture: Asynchronous on MOODLE

Class Website: [MOODLE](#)

➤ Check Daily

E-MAIL: [skardas@linnbenton.edu](mailto:skardas@linnbenton.edu)

LAB: WOH-216 You MUST attend the lab you registered for.  
No exceptions due to strict COVID distancing requirements.

OFFICE HOURS: Zoom appointments

CRN: 30410

Tues. 8:00 – 9:50

CRN: 30452

Tues. 10:30 – 12:20

CRN: 33981

Tues. 1:00 – 2:50

CRN: 34786

Tues. 3:30 – 5:20

**COURSE DESCRIPTION:** BI 231 is part of a three-term sequence for enter into health profession.

**Prerequisite** of BI 112 **AND** MTH75 \* If you only earned a “C”, you may not be prepared for the pace and rigor of this class! BI 231 is an introduction to structure and function. We study basic chemistry, cells, tissues and musculoskeletal systems. The body is a very complex system and interrelated; we will break down processes into topics, but keep in mind the interrelationships between body’s parts: communication between cells and organs, control systems, and homeostasis.

Course activities include: lecture, laboratory work, discussions, homework, case studies, quizzes and exams. Quizzes and midterms will consist of mostly multiple-choice questions AND be administered through MASTERING. Questions will test your memory of structures and functions, and application of your knowledge to unique situations and problems. 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**

Modified Mastering A&P Online Access

Anatomy & Physiology Custom Lab Manual for LBCC

BI 231 Study Guide: Human Anatomy & Physiology

**GRADING:** Tentative point distribution (there may be slight variations in points):

Quizzes 2 @ 25 questions each	100 pts.
Midterms 2 @ 50 questions each	200 pts.
Lab Quizzes 4	60 pts
Final Exam	100 pts
Homework	50 pts
Labs (Prelab 1 pt, Lab 4 points)	<u>50 pts</u>
	560pts

Course grade will be based on the following precents – points may vary;

90 – 100% = A

60 - 69 % = D

80 – 89 % = B

< 60% = F

70 - 79 % = C

**CLASS ATTENDANCE → Face Coverings are required by all students at all times while on campus and in the lab room. If you choose to not wear a mask, you will be asked to leave the classroom and be referred to the Dean of STEM.**

**Watching all asynchronous lectures and attending all labs are essential** for achieving a good grade in the course. Lab attendance (ON CAMPUS) is **required**. No grade on lab activities will be given for lab sessions not attended. There will be approximately 1 hour of lab material you must complete BEFORE you attend the 2 hour on campus Tuesday Lab. Per department policy – you **MUST** attend 70% of the labs to pass this class.

With regard to TRAVEL PLANS – It is your responsibility to make certain that any travel plans you make, or are made for you; do not conflict with the course calendar. Travel plans conflicting with scheduled assignment due dates or exam dates do not excuse you from knowing course material.

Do NOT ask me to “round-up” your grade, consider your “special circumstance(s)”, or offer extra credit to boost your grade. If you are worried about your grade, be proactive and use available resource to help you achieve the grade you want.

**Quizzes and Exams:** The 2 lecture quizzes and 2 midterm exams will be taken on MASTERING at the time scheduled. Exam material will be from sections in the textbook and lecture material covered in the prior classes. MAKE-UP TESTS will NOT be given after the scheduled date except for reasons of illness or emergency beyond the student's control. **CONTACT ME BEFORE TEST TIME.** If you do not take an exam at the scheduled time, and fail to make arrangements with the instructor prior to the exam, the exam points will be added to the final exam.

**Optional Recitation:** Zoom session – time TBD after survey in lab week 1. This will occur on Thursday – you should watch the available recorded lectures and do the reading for the week BEFORE the recitation to get the maximum benefit of recitation. This is your opportunity to ask questions on muddy subjects. No new material will be presented, and will be recorded if you are unable to attend.

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

Moodle will be the primary means for communication and facilitation of success. Lecture material, supplemental material, announcements, assignments and accessing Mastering A&P will be available on the class Moodle site. It is the responsibility of the student to establish their access to the class Moodle site and update their email address on the site to ensure they receive any correspondence from me or other students. It is advised that students log on to Moodle daily to receive updates and course details.

**Mastering A&P** class assignments will be graded for points – no points for late assignments, still a great study aid to complete even if you do not get the points. Your score will determine your grade so read the section in the textbook before attempting the assignments. MASTERING helps recognize areas you understand and areas you may need more study.

## **Study Suggestions**

The [LBCC LEARNING CENTER](#) has a wealth of resources available to help you succeed in this class and over your entire college career.

**There are many study strategies** that can help you be successful in this class. These include the following: **Rewrite class notes** each day so you can gauge your understanding and ask questions on material you do not understand the next class, **keep up** with the information presented in recorded lecture and labs by **reviewing** a little each day, **reading your textbook** when there are areas that we have covered in class that are unclear to you, and **turning assigned work in on time**. It is very important that you keep up with the material and not get behind. Read your textbook assignments prior to lecture, and then re-read areas that we covered in class that are unclear to you. Be sure to get any assigned work turned in on time. Most students find it helpful to participate in a **study group** – you may start a virtual online study groups. Use the study group to check your knowledge, quiz each other, and ask each other about points you don't understand and help each other learn difficult material. It is important for you to find out what you are unclear on and what you don't understand before a quiz or exam; the study group allows you to do this in a non-threatening environment.

**STUDENT BEHAVIOR**: Although collaboration is important in learning, ultimately each student is responsible for demonstrating individual ability. Cheating on exams and copying homework/lab activity reports will result in a zero for that activity and may result in further disciplinary action. Likewise, attendance and participation are an essential part of the college experience, and any behavior that interferes with other student's learning or personal safety may result in further disciplinary action. The basis for determining behavior and expectations in this class is outlined in the LBCC Student Handbook.

Students should not be using cell phones, texting, or using computers for non-class related activities during class time. This may result in the forfeiture of quiz scores, extra credit or in-class earned points. Use of electronic devices not related to class business is distracting and disrespectful to fellow students and the instructor. If you leave class to answer/place a call/text message, you can leave for the rest of the day if you do not want to be in class. If you need to have a phone on (emergency only) must clear it with me.

\*Disruptive children are not allowed in the classroom while students are attending class.


You should meet with your instructor during the first week of class if:

1. You have a documented disability and need accommodations.
2. Your instructor needs to know medical information about you.
3. You need special arrangements in the event of an emergency.

If you have documented your disability, remember that you must make your request for accommodations through the Center for Accessibility Resources (CFAR) [Online Services webpage](#) every term in order to receive accommodations. If you believe you may need accommodations but are not yet registered with CFAR, please visit the [CFAR Website](#) for steps on how to apply for services or call [\(541\) 917-4789](#).

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. We actively support this right regardless of race, creed, color, gender, sexual orientation, and as otherwise noted in Board policy. (related to Board Policy #1015)

**Tentative Schedule of Class Activities**

Week	Lecture and Assessment Schedule	Laboratory
1 January 4	<ul style="list-style-type: none"> <li>➤ Basic Principles</li> <li>➤ Homeostasis</li> <li>➤ Chemistry comes alive</li> </ul>	Basic Skills Homeostasis Text 5 – 20
2 January 11	<ul style="list-style-type: none"> <li>➤ Biomolecules Carbohydrates Lipids Proteins Nucleic Acids &amp; ATP</li> </ul>	Enzymatic Reactions
3 January 18	<ul style="list-style-type: none"> <li>➤ Cellular Basis for Life</li> <li>➤ Cell Membrane &amp; Organelles</li> <li>➤ Cell Division</li> </ul> <p><b>Lecture Quiz #1 Wednesday Jan 20 (30 Min)</b></p>	Cells
4 January 25	<ul style="list-style-type: none"> <li>➤ Membrane Transport</li> <li>➤ Osmosis</li> <li>➤ Introduction to Tissues</li> </ul>	Tissues
5 February 1	<ul style="list-style-type: none"> <li>➤ Tissues</li> </ul> <p><b>Lecture Midterm 1 Wednesday Feb3 (60 min)</b></p>	<b>Tissue Quiz (12pts)</b> Integumentary System
6 February 8	<ul style="list-style-type: none"> <li>➤ Skin</li> <li>➤ Skeletal System</li> </ul>	Skeletal System
7 February 15	<ul style="list-style-type: none"> <li>➤ More of them Bones</li> <li>➤ Articulation</li> </ul> <p><b>Lecture Quiz #1 Wednesday Feb 17 (30 min)</b></p>	<b>BONE QUIZ #1 (16 pts)</b> Skeletal System
8 February 22	 <ul style="list-style-type: none"> <li>➤ More Joints! (Legal in Oregon ☺)</li> <li>➤ Muscular System</li> <li>➤ Show off what ya got</li> </ul>	<b>BONE QUIZ #2 (16 pts)</b> Muscle lab
9 March 1	<ul style="list-style-type: none"> <li>➤ Muscular System</li> </ul> <p><b>Lecture Midterm #2 Wednesday Mar 3 (60 min)</b></p>	Muscle Anatomy
10 March 8	<ul style="list-style-type: none"> <li>➤ Yes, more Muscles</li> </ul>	<b>MUSCLE QUIZ (16pts)</b> Muscle Kinesiology
	<b>Comprehensive Final Exam Wednesday, March 17 120 minutes</b>	