

HUMAN ANATOMY & PHYSIOLOGY BI 233 – FALL 2021

INSTRUCTOR: Steven Skarda

CLASS: Lecture asynchronous on Moodle

PHONE: 917-4654

LAB: WOH-216

E-MAIL: skardas@linnbenton.edu

Class Website: MOODLE

OFFICE HOURS: Please feel free to email me and/or talk with me before/after lab

CRN: 21117 T 9-12

CRN: 21840 T 1-4

COURSE DESCRIPTION: BI 233, is part of a three-term sequence. We cover the vascular, respiratory, urinary, reproductive, management of fluids and electrolytes, as well as the basis of metabolism. The body is a very complex system and everything is interrelated; we will break down processes into topics, but keep in mind the interrelationships: communication between cells and organs, control systems, and homeostasis.

Course activities are designed to meet the needs of different learning styles, thus they include: lecture, laboratory work, discussions, homework, in class activities of discovery questions and case studies, quizzes and exams. Quizzes and midterms will consist entirely of multiple-choice questions. Some questions will test your memory of structures and functions, while other will require an application of your knowledge to unique situations and problems.

REQUIRED TEXT: Marieb, Human Anatomy and Physiology, 11th ed.
Marieb, Human Anatomy and Physiology Lab Manual
LBCC Class packet

GRADING: Points are a combination of lab and lecture. Tentative point distribution:

Quizzes 2 @ 25 questions each	100 pts.
Midterms 2 @ 50 questions each	200 pts.
Final Exam	100 pts
Homework/Lab/Mastering A&P	<u>100pts</u>
	500pts

You must successfully complete a minimum 7 labs to pass BI233.'

Course grade will be based on the following;

90 – 100% = A	60 - 69 % = D
80 – 89 % = B	< 60% = F
70 - 79 % = C	

CLASS ATTENDANCE/MAKE-UPS

Attending all LABS are essential. It is your responsibility to make certain travel plans do not conflict with the course calendar. Conflicts with due dates or exams do not excuse you from knowing critical course material.

Do NOT ask me to “round-up” your grade, consider your “special circumstance(s)” (unless backed by LBCC policies), or offer you additional extra credit to boost your grade.

If you are worried about your grade, be proactive and contact me for help and use available resource to help you achieve the grade you want. Simply sending your instructor an email, putting material under my door or phone message does not then make it my responsibility to follow-up with you.

Assignments and Exam material will be from sections of the textbook and lecture material covered in class. **MAKE-UP TESTS** will NOT be given after the scheduled date for an exam except for reasons of illness or emergency beyond the student's control. **CONTACT ME BEFORE TEST TIME IF ABSENCE IS UNAVOIDABLE.** If you are unable to take an exam at the scheduled time the exam points will be added to the final exam. Simply sending your instructor an email does not then make it their responsibility to follow-up with you as the student.

Mastering A&P This is a tool to help you understand the course material and be successful in class and your chosen career as a Professional Health Care Provider. The link is found on the MOODLE page. **Moodle** is used for communication and facilitating success in this course. Lecture material, supplemental material and homework not in the class packet may be posted here. As such, it is the student's responsibility to access the Moodle site and update your email address to receive any class emails.

Campus Closed Policy: If the campus is closed on an exam day, the exam will be postponed to the next scheduled class date. No special exceptions will be made for those who could not make it to class - be prepared by checking Moodle for class assignments/lecture/homework.

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.

Laboratory attendance is important and essential for a good grade. Per Department policy you must attend 7 of the 10 labs to pass class. Material presented in lab will both complement lecture material and represent a portion of each future exam. On occasion assignments will be due at the end of the lab period. If you are absent from lab it will be your responsibility to learn the material presented during that lab period,

and you will be unable to make up the lab activity. If you must miss a lab quiz, please make arrangements with the instructor prior to the scheduled date

Study Suggestions

There are many study strategies that can help you be successful. 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 class 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**.. Read your textbook prior to lecture, and then re-read areas that we covered in class that are unclear to you. Most students find it helpful to participate in a **study group** that meets for an hour or two once or twice per week to review. 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. Either you or I can facilitate formation of study groups.

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.

Use of electronic devices not related to class business is distracting and disrespectful to your fellow students and the instructor. If you leave class to answer/place a call/text message, you will be asked to leave for the rest of the day. Anyone who needs to have a phone on (emergency only) must clear it with the instructor.

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 the class, please talk to your instructor as soon as possible to discuss your needs. 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](tel:5419174789).

BI 233 Human Anatomy and Physiology Tentative schedule of events*

Week 1 Sept. 27	CH 19 - Blood Vessels Structure & Function Physiology of Circulation Lab Blood Vessels and Blood Pressure	pg 706 - 714 pg 714 - 718 Exer. 32 & 33
Week 2 Oct. 4	Tissue Perfusion CH 20 - Lymphatic System CH 21 – Immune – Innate/adaptive defenses Lab Vaccines and Immunity	pg 718-735 pg 766 - 777 pg 782-790/790-801
Week 3 Oct. 11	CH 21 – Cell-mediated response QUIZ #1 Tuesday Oct. 12th CH 22 – Respiratory System Lab Immune Disorders	pg 801-814 pg 818-834 pg 808-814
Week 4 Oct. 18	Respiratory Physiology Transport of gasses Lab Respiratory Physiology	pg 834-847 pg 847-852 Exer. 36
Week 5 Oct. 25	Respiratory Control Midterm #1 – Wednesday Oct. 26th CH – 25 Urinary System Lab Respiratory Disease	pg 853-858 pg 974-983 pg 858-860 Exer. 37A
Week 6 Nov. 1	Urine Formation Renal clearance, Composition & Micturition Lab Urinalysis	pg 983-1000 pg 1000-1007 Exer.41
Week 7 Nov. 8	CH 26 – Body Fluids Lab Electrolyte Balance - Acid/Base and pH Abnormalities Quiz #2 – Wednesday Nov. 9th	pg 1013-1019 pg 1019-1026 pg 1026-1035
Week 8 Nov. 15	CH 23-Digestive System - Anatomy Mouth to the uh, uh well, the end - Uranus Lab Digestive System & Nutrition	pg 868 - 898 pg 868 - 911
Week 9 Nov. 22	Physiology of Dig & Absorption Midterm # 2 – Wednesday the Nov. 23rd Lab Metabolism Selected parts of CH 24	pg 912- 918
Week 10 Nov. 29	CH 27&28 – Reproductive System Lab Ovarian cycle and Embryonic Development CH 29 Heredity (Review of genetics)	



Final Exam Tuesday, Dec 7th First two hours of your assigned lab time.

* This is a tentative schedule of class events and is subject to change – attend class to keep current!