KLAMATH Community College

SYLLABUS

Instructor Contact Information

Name: Dr. Hui-Yun Li

E-mail: hui-yun.li@faculty.klamathcc.edu ; instructor will read and respond to emails at least once daily except weekends and holidays.

Office Hours: By appointment

General Course information

Course Number: BIO 233 01 DE

Course Title: Anatomy and Physiology III Lecture

Course Description: Third term of a three-term sequence. Courses may not be taken out of sequence. Covers digestive, respiratory, urinary, and reproductive systems, fluid and electrolyte balance, metabolism, and embryology. Laboratory experiences will be used to elaborate on concepts presented in lecture. Prerequisite: BIO 232. Corequisite: BIO 233L.

Credits: 3 term or trimester credits

Course Requirements

Course Materials:

- Elaine N. Marieb, Katja Hoehn *Human Anatomy & Physiology*, 10th or 11th edition without Mastering A&P access code.

Computer Requirements:

- If students do not have access to a computer off campus, there are many computers on campus (Building 3, 5, 6, 8, and LRC) students are welcome to use to participate fully in their courses. Most public libraries also have computers with internet access available.
- Students will need to have an up-to-date browser and operating system. Students may need some additional software on their computers to take this class. Check the KCC Distance Education webpage for hardware & software requirements. https://www.klamathcc.edu/Academics/Distance-Education
- Some of the documents in this course will be available to you in PDF form. If you do not have Adobe Acrobat Reader software on your computer, you can download it by going to http://get.adobe.com/reader/.

Course Objectives

Upon completion of this course, the students should be able to:

- Recall and explain the principles of homeostasis and the use of feedback loops to control physiological systems in the human body.
- Use anatomical knowledge to predict physiological consequences and use knowledge of function to predict the features of anatomical structures.
- Recall and explain the interrelationships within and between anatomical and physiological systems of the human body.
- Make a connection between knowledge of anatomy and physiology and real-world situations, including healthy lifestyle decisions and homeostatic imbalances.

Grading

The grade in the course reflects the combined level of achievement in the following.

	Pts. each	*Count*	*Total pts.*	*%*
Syllabus quiz and Introduction	15	1	15	5.7%
Quizzes	15	8	120	45.3%
Exams	50	2	100	37.7%
Weekly discussion	20	10	200	11.3%
Extra credit	5	1	5	1.9%
				101.9%

The grades will be assigned on the following scale:

- 90-100% A
- 80-89.9% B
- 70-79.9% C
- 60-69.9% D
- Less than 60% F

Everything you need to complete each week is outlined and linked in the lecture agenda. Every week you are expected to watch lecture videos. They are available from 8am on Monday until 8pm on Sunday of the scheduled week. There is a 3-point homework assignment for every lecture. Homework is also open till 8pm on Sundays and have unlimited attempts with the score of the most recent attempt recorded in the gradebook. You should also complete the assigned reading in the textbook. The quiz on this material is available from Monday to Wednesday in the following week. Each quiz has 25 multiple-choice questions to complete in 25 minutes, and no proctor is required; it weighs 15 points (0.6 point per question), one attempt only. You may review your submission any time after the due date by going to *Grades* and clicking on the quiz.

Midterm and Final exams have 50 multiple-choice questions each and each weighs 50 points (1 point per question). No books/notes are allowed during the exams and both exams require proctoring. You have 50 minutes to complete each exam, one attempt only. You may review your submission only once immediately upon the completion while still under the proctor's supervision.

Copying questions by any means (electronic or in writing) is against academic integrity policy.

Weekly discussion

Students are expected to actively participate in the discussion board each week. Students are required to post an initial response to the discussion board prompt(s) no later than 11:59 pm Thursday of the current week's discussion board. Then each student must respond to the initial postings of at least two classmates by 11:59 pm Saturday. Initial posts should be at least 200 words and each reply to other students should be at least 50 words. Please cite sources for posts and give meaningful replies to classmates.

Participation

Students are expected to actively participate in the class each week. Students are required to complete each assignment by the due date.
If a student fails to participate appropriately, the following actions may be taken:

- The student will be dropped from the course, OR
- If the date for dropping a course without penalty has passed, the student will receive a failing grade, unless prior arrangements have been made between the instructor and student.

A student who seeks an exception to this policy must do so in advance of the absence and/or provide documentation of the emergency that caused it, as determined by the instructor.

Proctoring

Proctoring will be required only for the exams, but not quizzes. Please contact KCC testing center at 541-880-2334 or testingcenter@klamathcc.edu to schedule your appointment at least 72 hours prior to your exam. When you contact the testing center, please indicate your option of proctoring:

1. Use Proctor 360 for live remote proctoring. It is student's responsibility to ensure that the computer meets technical specifications for the proctoring session.
2. Take the exam at the KCC testing center on campus. Please note that testing centers of other schools and universities as well as libraries or workplace supervisors are not an acceptable substitution.

Netiquette

Effective written communication is an important part of online learning. In a face-to-face classroom, body language, verbal responses, and questions help the facilitator and participants communicate with each other. In an online environment, however, misunderstandings can easily occur when participants do not follow basic rules of netiquette (online etiquette). Therefore, please use the following guidelines when communicating in this course:

- Use a descriptive subject line in forum posts.
- Include your name in all e-mails because recipients cannot always tell who you are based on your e-mail address.
- Derogatory comments, ranting, and vulgar language are not acceptable in any form of communication in this course.
- Keep in mind that something you consider offensive may be unintentional.
- Any student who engages in inappropriate and disruptive communication may be dropped from the course, assigned a grade of "F," and be ineligible for a tuition refund.
- If you are concerned about something that appears unacceptable, please inform your instructor.
- Do not use ALL CAPITAL LETTERS in online communication, as doing so indicates you are yelling. Limited use of capitalized words is acceptable when you need to emphasize a point.
- You may use appropriate emoticons/emojis in the forums, chats, and messages.

Please visit KCC Distance Education for student code of conduct and tips for student success in online classes.

Course Schedule

Week	Lecture	Discussion*	Quizzes and Exams (8am Monday -8pm Wednesday)
Week 1	Unit I, Lecture 1 Anatomy of the GI tract Unit I, Lecture 2 Mouth, pharynx, and esophagus	What lives in your saliva?	Syllabus quiz and Introduction
Week 2	Unit I, Lecture 3 Stomach Unit I, Lecture 4 Liver and gallbladder Unit I, Lecture 5 Pancreas	Gastric ulcer	Lecture quiz 1
Week 3	Unit I, Lecture 6 Small intestines and absorption Unit I, Lecture 7 Large intestines Unit II, Lecture 1 Overviews of nutrition and metabolism	Gut microbiome	Lecture quiz 2
Week 4	Unit II, Lecture 2 Metabolism of carbohydrates Unit II, Lecture 3 Metabolism of Lipids Unit II, Lecture 4 Metabolism of proteins	The Good, the Bad, and the Truly Ugly	Lecture quiz 3
Week 5	Unit II, Lecture 5 Vitamins and minerals Unit III, Lecture 1 Anatomy of nose, pharynx, and larynx	Do supplements help your body?	Lecture quiz 4
Week 6	Unit III, Lecture 2 Anatomy of trachea, bronchi, and lungs Unit III, Lecture 3 Mechanisms of breathing	COVID-19	Lecture Midterm Exam (Unites I and II)
Week 7	Unit III, Lecture 4 Respiration Unit III, Lecture 5 Control of respiration Unit IV, Lecture 1 Anatomy of urinary system	Physiology of sighing	Lecture quiz 5
Week 8	Unit IV, Lecture 2 Urinary formation -- filtration Unit IV, Lecture 3 Urinary formation -- reabsorption Unit IV, Lecture 4 Regulation of urinary function	Calcium oxalate-Ouch!	Lecture quiz 6
Week 9	Unit V, Lecture 1 Male reproductive system Unit V, Lecture 2 Physiology of male reproductive system	Male infertility	Lecture quiz 7
Week 10	Unit V, Lecture 3 Female reproductive system Unit V, Lecture 4 Physiology of female reproductive system -	Abnormal tissue outside uterus	Lecture quiz 8
Finals week			Lecture Final Exam (Units I-V)

***Initial Discussion posts are due on Thursdays at 11:59pm and two student replies are due on Saturdays at 11:59 pm.**

For all quizzes and exams, please use **plugin (not wireless) connection.** The preferred browser is **Google Chrome.** You should always use the most current version of your browser; it will notify you if there is a new version available.