



# Syllabus

## Instructor Contact Information:

Name: Dr. Hui-Yun Li  
 E-mail: [huiyun.li@oit.edu](mailto:huiyun.li@oit.edu)

Instructors will read and respond to emails at least once daily except weekends and holidays. Oregon Tech is an equal opportunity institution. Oregon Tech is an equal opportunity institution. Oregon Tech is an equal opportunity institution.

Office: DOW 204 Klamath Falls campus  
 Office Hours: By appointment

## General Course Information:

Course Number: BIO 233

Course Title: Human Anatomy and Physiology

Course Description: Human Anatomy and Physiology is a required science course for all students majoring in pre-allied health professions at Oregon Tech. This course is part of a three-term sequence: BIO 231 covers general concepts of cell biology and human body organization and introduces the support and movement of the body; BIO 232 focuses on several integration and regulation systems of human body; BIO 233 introduces the systems that maintain the body homeostasis and insure the continuity of the species. This current term is an introduction to the systematic study of human anatomy and physiology with emphasis on the operation of control systems, including digestive, respiratory, reproductive, and urinary systems as well as metabolism. Laboratory sessions emphasize human anatomy with the aid of interactive 3D anatomy program. Pregnancy and human development will also be introduced in the laboratory session.

Prerequisites: BIO 231 with "C" or better

Credits: 4 term or trimester credits  
 (for transfer to other schools 1.5 term credits equal 1 semester credit)

Accreditation: Individual courses cannot be accredited. Oregon Institute of Technology is accredited by the Northwest Commission on Colleges and Universities (NWCCU), an institutional accrediting body recognized by the Higher Education Coordination Commission and the Secretary of the U.S. Department of Education.

## Textbook and Resources:

- x Elaine N. Marieb, Katja Hoehn Human Anatomy & Physiology 10<sup>th</sup> or 11<sup>th</sup> edition without Mastering A&P access code.
- x Visible Body 3D Human Anatomy Atlas <http://www.visiblebody.com>



This course consists of both a lecture and a laboratory portion. The grade in the course reflects the combined level of achievement in both.

- x Lecture quizzes (about 8, including syllabus quiz) 5pts each
- x Lecture exams(2) 50pts.each
- x Lab quizzes (about 8, including introduction) 5pts.each
- x Lab exams(2) 50pts.each

The grades will be assigned on the following scale:

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

Starting from week 2, you have to take weekly quizzes (5 points per quiz) for lecture and lab. The format for all lecture assessment questions is multiple choice. For the anatomy labs (labs 1, 2, 3, and 5), each quiz has 25 questions (0.2 points per question) to complete in 25 minutes, and no proctor is required. The format of lab model assessment question is fill-in-the-blank\*\* for anatomical parts (with correct spelling). Lab 4 quiz is a lab report on Acid Base Balance. Lab quiz 6 and 7 are on Pregnancy and Human Development with 15 questions each (0.33-0.34 points per question) and the format of the questions is a combination of multiple choice, true false, and matching.

Each lecture and lab exam (midterm and final exams) has 50 questions and weighs 50 points (1 point per question). The format of the lab midterm exam is identical to that of weekly quizzes, while the lab final exam includes not only fill-in-the-blanks for the anatomy I.9 (n)-0.6 (a)-2.9 (t)0A-2.9 e/P <</MCID 2.9 ([>d [(Tj /lu)-5 (de)

Course Schedule:

	<u>Lecture:</u>	<u>Lab:</u>
Week 1	Syllabus Unit I, Lecture 1 Anatomy of the GI tract	Lab 1 Gastrointestinal system
Week 2	Unit I, Lecture 2 Mouth, pharynx, and esophagus <b>Lecture quiz 1</b> Unit I, Lecture 3 Stomach Unit I, Lecture 4 Liver and gallbladder Unit I, Lecture 5 Pancreas	<b>Lab quiz 1</b> Lab 2 Respiratory system
Week 3	<b>Lecture quiz 2</b> Unit I, Lecture 6 Small intestine and absorption	<b>Lab quiz 2</b> Lab 3 Urinary system
Week 4	Unit I, Lecture 7 Lungs and circulation Unit II, Lecture 1 Overview of acid metabolism and medical nutrition <b>Lecture quiz 3</b>	<b>Lab quiz 3</b> Lab 4 Acid Base and electrolyte balance
Week 5	Unit II, Lecture 2 Metabolism of carbohydrates	Lab 5 Acid Base and electrolyte balance

All lecture quizzes and exams will be available during the scheduled week from Monday 8am till Wednesday 8pm PST. Lecture quizzes test your knowledge of the material of the previous week. Lecture Midterm is on Units I and II. Lecture Final is on Units I, II, III and V.

All Lab quizzes and exams will be available during the scheduled week from Thursday 8am till Sunday 8pm PST. Lab quizzes are on previous week's lab. Lab Midterm is on Labs 1-4. Lab Final is on Labs 5-8.

For all quizzes and test, use plugin (not wireless) connected Google Chrome, Firefox or Safari (for Apple) browser. All lecture and lab video recordings will be available from Monday 8am till Sunday 8pm PST scheduled week only.