Human Anatomy | Lecture and Lab

Academic Year 2020-2021

Course Information

Course Numbers	Total Credits	Time Requirement
BIO251/BIO2511L	4 (3 Lecture + 1 Lab)	75 hrs (Lecture 45hrs + Lab 30hrs)

Course Details

Recommended Prerequisites

General Biology I and II with a minimum grade of C or better are highly recommended.

Course Description

This course is a rigorous anatomy course designed for health sciences and physical education majors. It covers the gross and microscopic anatomy of the human body. Course topics begin with an introduction of anatomical terminology and tissue classifications, followed by the structural and functional anatomy of the organ systems (integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems). A structure-function approach provides the background to achieve the learning objectives for the course, which are concepts necessary in understanding the human body and in professions such as medicine, physician assistant, chiropractic, dental hygiene, pharmacy, nursing, physical therapy, sports and leisure studies, and other medical related fields. Laboratory includes work with microscope, human body models, and cadavers.

Lecture and Laboratory Communication

A website will be set up on Canvas by your instructor.
Log in with your Username and password: **https://scuhs.instructure.com**

Faculty Information

Refer to the Canvas course webpage for this information.

Class Meeting Times

Refer to Canvas course webpage for this information.

Instructional Materials

Required Text(s)

Human Anatomy by McKinley & O'Loughlin (ISBN13: 9781260251357) 6th edition

Lab

SCU Human Anatomy Laboratory Manual (available on Canvas)

Course Purpose

Student Learning Outcomes

At the conclusion of this course, a successful student should be able to:

1. Label the human body utilizing anatomic terminology.
2. Differentiate the basic types of human tissues.
3. Understand the components of the integumentary system.
4. Identify the structure of bones, skeletal tissue and the human skeleton.
5. Understand the structure of joints, muscle tissue and the muscular system.
6. Understand the normal structure of the organ systems.

Course Schedule
(subject to slight modifications by the instructor)

Week	Lecture	Assessment
1	Module 1: Art of Human Anatomy Module 2: Cellular Level of Organization	Reading Assignments Quizzes Module Exams
2	Module 3: Tissue Level of Organization Module 4: Bones, Cartilage, and Joints Module 5: Skeletal Muscle Tissue	Reading Assignments Quizzes Module Exams
3	Module 6: Nervous Tissue, Brain Development, and the Spinal Cord Module 7: Autonomic Nervous System and Senses Module 8: Cardiovascular System	Reading Assignments Quizzes Module Exams
4	Module 9: Lymphatic and Endocrine Systems Module 10: Respiratory System	Reading Assignments Quizzes Module Exams
5	Module 11: Digestive System Module 12: Urinary and Reproductive Systems	Reading Assignments Quizzes Module Exams

Tentative Grading Procedures
Lecture

Assessment	Points per assignment	Total number of assignments
Reading Assignment	25	12 (1 per module)
Quiz	10	12 (1 per module)
Module Exam	50	12 (1 per module)

Lab Schedule
(subject to slight modifications by the instructor)

Laboratory	Assessment
A first look at Anatomy and terminology	Lab assignments
Cell and Tissues	
Axial and Appendicular Skeleton	
Muscular System	Lab assignments
Central Nervous System (CNS)	
Endocrine System	
Heart, Blood, Vessels and Circulation	
Lymphatic System	Cadaver Lab Exam 1
Respiratory System	Midterm Exam
Digestive System	Lab assignments
Urinary System	
Reproductive System	
Review and Final Exams	Final Exam
	Cadaver Lab Exam 2

Tentative Grading Procedures
Lab

Assessment	Weight (%)
Lab Quizzes	30
Lab Tests	30
Cadaver Lab Tests	30
Lab Assignments	10
Total	100%

Grading scale:
Please note letter grades will be assigned only at the end of the trimester.

A = 90% to 100%

B = 80% - less than 90%

C = 70% - less than 80%

D = 60% - less than 70%

F = less than 60%

W = Withdrawal

Grading procedures:

The format of assessments may include multiple choice, short answer, labelling, fill-in-the-blank, or matching examinations. Participation points are required and will be assigned by the instructor as the course progresses using any of the following: in class mini quizzes, activities, online quizzes. For online quizzes students must have a phone, tablet, laptop or other internet connected device to participate. Students must be in class during the participation activities to receive participation marks.

Academic Integrity

Visit SCU's **Academic Integrity** page to review policies for professionalism and academic integrity.

Teaching Methods and Activities

Each week's material is divided into two or three modules, for a total of 12 modules. The course will follow a linear format, meaning you will complete all the modules in sequence. The material in each module will include a combination of readings, videos, and written and interactive assignments. You'll also complete an exam at the end of each module. You may engage in discussions with your peers throughout the course. You can read about each of the course components below. Each module takes about 5 hours to finish. The flow of the modules on Canvas should be followed.

The course requires a significant time commitment from students. This commitment is both in terms of reading lecture PowerPoints prior to reading the chapters, as well as reviewing the material and doing "Check Your Understanding" activities after. In the five weeks of classes, we will cover 12 chapters of the book. Not every topic will be covered in great depth, but students are expected to study each topic in detail.

Introduction: These sections introduce the content covered in each module and outline the learning objectives. Reading the Introduction will help you identify the central concepts of the module and connect what you will learn to the broader context of the course.

Lecture Outline: These sections contain the lecture slides for each chapter. They provide a comprehensive summary of the chapter. Reading the lecture slides prior to doing the reading assignments on Learning Smart will help you to formulate your thoughts and promote active learning.

Reading Assignment: These sections are created on "Connect" through SmartBook. They improve reading productivity and provide students with better knowledge retention. SmartBook is an intelligent eBook that applies the adaptive technology of LearnSmart to ensure a focus on content the student hasn't learned while also promoting long-term retention of learned material. Learn more about this technology at LearnSmart.

Key Point: Its content helps you gain a deeper understanding of the concepts presented in the learning modules and in the textbook. Often, Key Point pages feature animations, games, videos, or other interactive learning resources.

Check Your Understanding: On Check Your Understanding pages, you will practice the module content you've covered using interactive study tools. These interactive study tools will help you assess your progress and identify areas for improvement. Additionally, interactives give you an opportunity to review and apply information presented in your course and in the online textbook before taking exams.

Exams: There will be 1 exam given at the end of each module for a total of 12. There will be questions that come directly from the textbook chapters, activities, and videos. Questions may come in the form of multiple choices, free response, or fill in the blank. Students will have 30 minutes to complete each exam. These exams are all on Connect. Please pay attention to the due dates. They are final and will not be extended. You must use a Remote Exam Proctoring software to proctor your exams (all 12 exams). You need to have both video and audio on. You need to start the recording prior to starting the test and end after finishing the test. Your face should be in the field of view.

Online Learning at SCU: MySCU is SCU's online campus portal. It includes SCU's learning management system (Canvas). It acts as a single point of access for a variety of campus information. It houses resources such as university policies, campus safety procedures, financial aid forms, class schedules, campus news, library databases, and other electronic resources for faculty, staff, and students. Incoming students receive login credentials and learn to navigate MySCU during orientation.

Best Practices for Studying

- Watch the videos and read the lecture powerpoints and the highlighted areas of the chapters in each module to become comfortable with some of the terms associated with each topic, using "self-study" icon before you read the chapter through the assignments. Review each chapter after you finish reading assignments to enhance your understanding of what was covered. Take notes when you do the reading assignments.

- Participate by doing the assignments on time and by asking questions either through Canvas or by typing your question on the comment bar of the videos.

- Stay on top of the homework and assignments. Do the assigned problems as close to the time as when the topic is covered to increase the depth of your understanding of specific concepts. It will help you learn the material more efficiently and effectively.

- Do not wait until the night before the homework is due to start the assignment. You will get more out of it if you take the time to really learn the concepts and review the material without being rushed.

- Stay focused by finding an environment where you can study with few distractions.

University Policies

Accommodations

As a learning-centered community, Southern California University of Health Sciences recognizes that all students should be afforded the opportunity to achieve their academic and individual potential. The University recognizes and supports the standards set forth in Section 504 of the Rehabilitation Act and

the American with Disabilities Act (ADA). In accordance with its mission and federal and applicable state laws, the University is committed to making reasonable accommodations for qualified applicants for admission and enrolled students with disabilities. A student who needs accommodation(s) due to a disability should contact the Academic Support Office located in the Learning Resource Center.

Faculty and Dr./Patient Relationships

SCU faculty are highly skilled. However, per University Policy, health care is offered to students through the University Health System only. Neither preclinical nor clinical faculty can provide advice, assessment, treatment, or other elements that would be considered part of a Doctor-Patient relationship outside of a clinical setting established for that purpose.

Learning Activities

Students are expected to spend at least two hours for each lecture hour of course time per week in activities and assessments outside the classroom. Examples of activities include but are not limited to writing papers; reading articles or text; small group work; presentations; completing assignments; preparation for assessments; online activities and other activities that do not include direct instructor interaction and involvement.

All university policies apply to this course and all others. For full policy information please consult the university SCU Policy Manual. For a quick reference guide to the following policies: make-up examination, F-challenge examination, grade posting, results of failing grades, student support information, syllabus amendments, special needs, student conduct, and attendance, please consult the academic policies document housed on the Online Student Services .