



**SCOTTSDALE
COMMUNITY COLLEGE**

A MARICOPA COMMUNITY COLLEGE

BIO 201 Fall 2024

Course Information

Course Title:	Human Anatomy and Physiology I
Course Prefix & Number:	BIO201
Section Number:	12143 with lab 12144 or 13117
Credit Hours:	4
Room Number:	Lecture: SL110, Lab: NS309
Meeting Days:	Lecture: Tuesdays & Thursdays Lab: Tuesdays or Thursdays
Meeting Times:	Lecture: 7:30-8:45 am, Lab: 9:00-11:50 am

Course Format

The course format for this course is in person.

Instructor Information

Instructor:	Patricia Ashby
Email:	patricia.ashby@scottsdalecc.edu
Phone:	480-423-6033
Office Location:	NS115
Office Hours:	Monday 12:15-1:45pm, Tuesday 12:00-1:00pm, Wednesday 9:00-10:00am, Thursday 12:00-1:30pm, or by appointment

Course Description

The study of structure and function of the human body. Topics include cells, tissues, integumentary system, skeletal system, muscular system, and nervous system.

Prerequisites

Prerequisites are a grade of "C" or better in BIO156 or BIO156XT or BIO181 or BIO181XT or one year of high school biology, and a grade of "C" or better in RDG091 or higher or eligibility for CRE101 as indicated by reading placement test score. CHM130 or higher or one year of high school chemistry suggested but not required.

Course Competencies

Official MCCC CD Course Competencies:

MCCC CD Official Course Competencies

1. Apply anatomical terminology to locate and describe body structures, sections, regions and positions. (I)
2. Describe the hierarchy of body organization and the general functions of all organ systems. (I-VII)
3. Define homeostasis and describe specific examples for the integumentary, skeletal, muscular, and nervous systems. (I, III-VII)
4. Identify and describe the structure and function of the major tissue types. (II, III, IV, VI, VII)
5. Identify and describe the histology, detailed anatomy, physiology, regulation, selected pathologies and repair mechanisms of the integumentary system. (III)
6. Identify and describe the histology, detailed anatomy, physiology, regulation, selected pathologies and repair mechanisms of the skeletal system. (IV, V)
7. Identify and describe the histology, detailed anatomy, physiology, regulation, selected pathologies and repair mechanisms of the muscular system. (VI)
8. Identify and describe the histology, detailed anatomy, physiology, regulation, selected pathologies and repair mechanisms of the nervous system. (VII)
9. Describe the relationships between the skeletal, muscular and nervous systems. (IV-VII)
10. Demonstrate knowledge of laboratory safety and procedures. (VIII)
11. Perform laboratory activities using appropriate laboratory equipment, specimens, materials, supplies, software and/or simulations relevant to the course. (VIII)

Texts, Course Materials and Technologies

Required: OpenStax Anatomy and Physiology (free online OER textbook)

<https://openstax.org/details/anatomy-and-physiology>

Recommended: Van de Graaff's Photographic Atlas for A & P Laboratory, 9th Ed.

Morton &Crawley; ISBN 9781617319150, \$49

Course Policies

The following are policies specific to this course. Students are also responsible for the college policies included on the [Student Regulations](#) page of the Maricopa Community College District website.

Generative Artificial Intelligence (AI) Policy

Opening Statement Regarding Generative Artificial Intelligence (AI)

The World Economic Forum defines generative AI as “a category of artificial intelligence (AI) algorithms that generate new outputs based on the data they have been trained on. Unlike traditional AI systems that are designed to recognize patterns and make predictions, generative AI creates new content in the form of images, text, audio, and more.”

Some examples of generative AI tools include but are not limited to: ChatGPT, Google Bard, Microsoft Copilot, Stable Diffusion, GrammarlyGo, and Adobe Firefly.

No Generative Artificial Intelligence (AI) Allowed

In this class, all work submitted must be your own. The use of generative AI tools will be considered academic misconduct (see Administrative Regulation 2.3.11 1.B(b)) and will be treated as such. If you are unsure if the tool or website you are using is a generative AI tool, please contact the instructor for further clarification before using the tool or website.

Grading Standards & Practices

Four lecture exams will be given during the semester. Twelve quizzes will be given in lecture, of which the two lowest quizzes will be dropped and your best 10 quizzes will contribute to your final grade. 6 case studies worth 5 points each will be assigned over the course of the semester. Grades from the lab will consist of four practicals, lab quizzes, and a group project, details of which will be provided in the lab.

Your grade will be based on the following:

Lecture

4 Exams (100 pts. each)	400 pts.
10 Quizzes (10 points each)	100 pts.
5 Case Studies (5 points each)	25 pts.
Total for Lecture	525 pts.

Lab

4 Lab Practical	175 pts.
10 Lab Quizzes (2 points each)	20 pts.
Group Project	30 pts.
Total for Lab	225 pts.

TOTAL	750 pts.
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Semester grades will be based on the following points:

A	675 minimum points	(90%)
B	600 minimum points	(80%)
C	525 minimum points	(70%)
D	450 minimum points	(60%)
F	less than 450 points	

Material covered on the exams will come directly from the lectures and labs. It is therefore essential that students attend all lectures and take detailed notes. Makeup exams are rarely given and only for excused absences, such as documented illness, family emergencies, etc. Makeup exams may be of an entirely different format than regular exams.

Response Time

Students can expect a response time of 24 hours (48 hours on the weekend) for the instructor to respond to messages sent via the Canvas Learning Management System or email. Students can expect assignments to be graded within one week of the assignment's due date.

Instructional Contact Hours (Seat Time)

This is a four (4) credit-hour course. Plan to spend at least 5.5 hours on course content or seat time (direct instruction) and minimum of eight hours on homework weekly.

Online Tutoring

SCC's tutors are available online to help with your courses. You may work with an SCC tutor remotely using Google Meet, your phone, or email. Visit the [SCC Tutoring & Learning Centers](#) page for detailed information on the five learning center's hours and procedures.

Free tutoring for this course is available through the Natural Science Tutor Center online services. The NS Tutor Center has tutors that are specialized in human anatomy and physiology, with access to the Canvas materials, and they are in contact with the instructor. To schedule a tutoring session with the NS Tutor Center, please use the link below and follow the instructions:

<https://www.scottsdalecc.edu/students/tutoring/natural-sciences-tutoring-center>

As much as possible, it is highly recommended that you utilize SCC tutors since they are more familiar with SCC coursework, instructor expectations, and assignments;

however, if you need to work with a tutor outside regular hours, online and hybrid students now have access to a 24/7 online tutoring service called Brainfuse. Brainfuse provides online tutoring in a variety of academic subjects. Each student may utilize up to 6 hours of online tutoring through Brainfuse per semester, and has the option of requesting additional time if needed.

To access Brainfuse and begin working with a tutor:

1. Visit the [SCC Online Tutoring Services Through Brainfuse](https://www.scottsdalecc.edu/students/tutoring/online-tutoring) page (https://www.scottsdalecc.edu/students/tutoring/online-tutoring)
2. Click the **Visit a tutor online** button
3. Enter your MEID and password
4. Choose your topic and subject
5. Click the **Connect** button

Please use your time effectively and be prepared with your questions before you connect to a tutor. Tutors and students communicate in real-time so whatever you type, draw, or share on the screen, the tutor sees, and vice versa. You may also want to have screenshots ready if applicable. All Brainfuse sessions are recorded for review later.

Cross-Listed Sections

Multiple lab sections of this course are combined on Canvas. You may interact with students from another class online. If you have questions, please contact me.

Students are responsible for the information contained in this syllabus, the Syllabus page in your Canvas course and the **College Policies & Student Services** page found in the First Steps module of your Canvas course. Students will be notified by the instructor of any changes in course requirements or policies.