

## Course Information

Semester & Year:	Spring 2022
Course Title:	Human Anatomy and Physiology II
Course Prefix & Number:	BIO202
Section Number:	31016
Credit Hours:	4
Start Date:	1/19/2022
End Date:	5/13/2022
Room Number:	SL-110
Meeting Days:	M, W
Meeting Times:	7:30am - 8:45am

## Course Format

The course format for this course is in person.

## Instructor Information

Instructor:	Dr. Patricia Ashby
Email:	patricia.ashby@scottsdalecc.edu
Phone:	480-423-6033
Office Location:	NS-115
Office Hours:	Mondays and Wednesdays 12:15-1:30pm Tuesdays and Thursdays 9:00-10:15am

## Course Description

Continuation of structure and function of the human body. Topics include endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems; and fluid and electrolyte balance.

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## Prerequisites

A grade of "C" or better in BIO201 or BIO201XT.

## Course Competencies

Official MCCCCD Course Competencies

1. Identify the structure, location, and regulation of the body's various endocrine cells and glands. (I)
2. Describe the functions of the body's various hormones, and cite examples of disorders that result from their imbalance. (I)
3. Describe the structures of the digestive system and how they function in digestion, absorption, and metabolism. (II)
4. Describe the structures and functions of the male and female reproductive systems, including gametogenesis. (III)
5. Describe the various stages of embryonic, fetal, and placental development. (III)
6. Describe changes that occur during pregnancy, parturition, and lactation. (III)
7. Describe the composition and function of blood, including formed elements. (IV)
8. Describe the structures and functions of the cardiovascular system. (IV)
9. Describe the structures and functions of the lymphatic system as well as the mechanisms of defense and immunity. (V)
10. Describe the structures of the respiratory system and how they accomplish ventilation, respiration, and gas transport. (VI)
11. Describe the structure of the urinary system and their involvement in the regulation of fluids, electrolytes, and nutrients. (VII, VIII)

## Texts and Course Materials

OpenStax Anatomy and Physiology (free online OER textbook)

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

## Course Technologies

View the [Accessibility Statements & Privacy Policies](#) of technologies used in this course.

## Maricopa Systems

This course uses key Maricopa systems for course management and communication.

- Canvas Learning Management System
- Student Maricopa Gmail Account
- Maricopa Open Educational Resource Learning System (MOER)

## Synchronous Communication Tools

In addition to in person Office Hours, this course will also use the following for Office Hours:

- Zoom

## Streaming Media/Audio/Video Tools

This course uses webcasting, lecture capture systems, YouTube, and/or other streaming media services.

- YouTube

## 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.

## Grading Standards & Practices

Four lecture exams worth 100 points each 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 ten quizzes worth 10 points each will contribute to your final grade. Six case studies worth 5 points each will be assigned over the course of the semester. Grades from the lab will consist of three practicals (1st worth 30 points, 2nd and 3rd worth 60 points each), lab activities worth 40 points, and a group project worth 30 points.

Your grade will be based on the following:

4 Lecture Exams (100 pts. each)	400 pts.
10 Lecture Quizzes (10 points each)	100 pts.
6 Case Studies (5 points each)	30 pts.
3 Lab Practicals (30, 60, 60 points)	150 pts.
Lab Activities	40 pts.
Lab Group Project	30 pts.
 TOTAL	 750 pts.

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 lecture and lab quizzes and exams will come directly from the online materials. It is therefore essential that students complete all online assignments 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 Canvas or email. Students can expect assignments to be graded within four days of the assignment's due date.

You are required to attend the scheduled on-line class meetings. An excused absence includes the following circumstances: documented official absence (e.g. school function, with official verification), religious, injury, sickness, or loss of a relative. All require proper documentation. Any other type of absence is unexcused. You may be withdrawn from the course if you have more than four unexcused absences.

## **Instructional Contact Hours (Seat Time)**

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

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.