

Anatomy & Physiology II

BIOL-2402

Summer II 2021 Section N03 CRN-40043 4 Credits 07/12/2021 to 08/09/2021 Modified 07/08/2021

Meeting Times

This is an online course, where all major lecture and lab exams as well as the final exam, will be completed in a proctored environment. You will be required to complete work daily in accordance with the schedule outlined in the syllabus. Attendance is measured by completed assignments and is described below in the "Attendance Policy" under "Course Policies" section.

You should plan on spending at least 5 hours per day, 5 days per week completing assignments and studying to be successful in this course.

Contact Information

Instructor: Vanessa Wilkins

Email: vanessa.wilkins@blinn.edu

Office Hours

Wednesdays 6-7pm
Online Via Zoom

If you are unable to attend this office hour to ask questions, please email me and we will set up a separate time.

Email: Please use vanessa.wilkins@blinn.edu to reach me by email. I will generally respond within 24 hours during the week, and often sooner. Please email me for reviewing personal exams, or anything that requires privacy.

Please post any questions on course content, assignments, exams guidelines or anything similar to the Discussion Forums > Muddy Points. Chances are that if you have a question, three other people have the same question.

Description

3 lecture hours and 3 lab hours per week; 96 total contact hours. Credit: 4 semester hours.

Study of the structure and function of human anatomy, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. Content may be either integrated or specialized. Anatomy and Physiology II is the second course in a two semester sequence which examines the systems of the human body using an integrated approach.

Requisites

Prerequisites: Biology 2401 with a grade of "C" or better.

Core Curriculum Statement

Through the Texas Core Curriculum, students will gain a foundation of knowledge in human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning. For details relating to this core course, please see:

Outcomes

Lecture Based Outcomes

Use anatomical terminology to identify and describe locations of major organs of each system covered.

Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.

Describe the interdependency and interactions of the systems.

Explain contributions of organs and systems to the maintenance of homeostasis.

Identify causes and effects of homeostatic imbalances.

Describe modern technology and tools used to study anatomy and physiology.

Lab Based Outcomes

Apply appropriate safety and ethical standards.

Locate and identify anatomical structures.

Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.

Work collaboratively to perform experiments.

Demonstrate the steps involved in the scientific method.

Communicate results of scientific investigations, analyze data and formulate conclusions.

Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations, and predictions.

Materials

Textbook: *Anatomy Physiology-The Unity of Form and Function*, 9th Edition, 2021, Saladin, McGraw-Hill. Packaged with Connect access code. This can be purchased from the bookstore or directly from McGraw-Hill. Please note that you do NOT need the hard copy of the textbook, but you MUST purchase Connect access, because the majority of your assignments will be through this platform. If you have previously purchased Connect access for Saladin 9th ed for 2401, this access code will be good for 12 months, and you may not need to purchase it again.

Lab Manual: Digital Lab Manual by Top Hat Publishing: please register by visiting website: <https://app.tophat.com/e/> (<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapp.tophat.com%2F%2F344090%2F&data=04%7C01%7Csteve.simcik%40blinn.edu%7C0ce5113fd5224119198708d86fa5ad3a%7C60448a85d0074d57a583bfec98e99c29%7C1%7C0%7C637382104646075350%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAilCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=xa%2B3Z9nHgB%2FgObhCzpfq%2B8umIk28PvSabyXuBjHhiZo%3D&reserved=0>) Course Join Code is: 512324. Please note, this is a separate lab manual from 2401. Click on the link to access the lab book through the [Blinn bookstore](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblti.bncollege.com%2Fmapping%2Fconsumer%2Fdesire2learn%2Finstances%2Fblinn%2Fcampus-picker&data=04%7C01%7Csteve.simcik%40blinn.edu%7C0ce5113fd5224119198708d86fa5ad3a%7C60448a85d0074d57a583bfec98e99c29%7C1%7C0%7C637382104646075350%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAilCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=Jtv489a%2FxrIV0R4AbkL%2BAak1IXF5ApiJwRwACDjkOXM%3D&reserved=0). (<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fblti.bncollege.com%2Fmapping%2Fconsumer%2Fdesire2learn%2Finstances%2Fblinn%2Fcampus-picker&data=04%7C01%7Csteve.simcik%40blinn.edu%7C0ce5113fd5224119198708d86fa5ad3a%7C60448a85d0074d57a583bfec98e99c29%7C1%7C0%7C637382104646075350%7CUnknown%7CTWFpbGZsb3d8eyJWljojMC4wLjAwMDAilCJQljoiv2luMzliLCJBTil6lk1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=Jtv489a%2FxrIV0R4AbkL%2BAak1IXF5ApiJwRwACDjkOXM%3D&reserved=0>)

Course Requirements

All Exams are closed book, closed note, individual effort exams and will be proctored using Honorlock. Academic Integrity is taken

very seriously at Blinn College

Lecture Exams:

- There will be four lecture exams that are timed, will include material from lecture, textbook and Connect resources, and may consist of a mixture of multiple choice and true/false questions.
- Make-up exams will not be given for unexcused absences; however, if you miss an exam, you may use your percentage score on the final exam at the end of the semester to substitute for the missed exam.
- If you don't use the final exam percentage to replace a missed exam score, you may use it to replace your lowest lecture exam grade.

Lab Exams:

- There will be four lab exams during the semester.
- The lab exams will include pictures of tissues, cells, microscope slides and other preserved laboratory specimens presented within the lab module on eCampus and from Tophat. Students will be required to identify these specimens or answer questions about their function.
- It may also include questions that require the student to analyze and interpret scientific data or answer objective questions over experiments or procedures performed.
- Lab Exams made be made up only with verifiable documentation (see below).

Final Exam: The final exam is **cumulative** and will be given on the last day of class.

Online homework:

- Your **McGraw-Hill Connect** access contains many helpful resources for you to guide your study of Anatomy & Physiology, including Anatomy & Physiology Revealed (APR), practice assignments, and *required* homework assignments.
 - For every chapter we cover, you will have at least three assignments, **Learn Smart, Homework** and a **Chapter Quiz**. This will take the bulk of your time in this course.
 - Supplemental lecture videos are also provided within eCampus that covers the same material that is in your textbook.
 - It is highly recommended that you complete the learning outcomes while you are accessing Learn Smart or watching the lecture videos.
 - The lowest two required SmartBook or Homework (worth 10 points each) assignments, or a single Chapter Quiz (20 points) will be dropped to cover **computer problems, illness, or other unanticipated problems**.
 - Missed online homework cannot be made up. No late work is accepted.
- **Discussion Boards** are found within eCampus in their own module
 - You will be required to participate in a brief weekly discussion
 - To receive full credit for this assignment, you will need to post a response to the prompt and reply to another student's prompt

Lab Work: Grades for the lab work category will consist of online work completed within TopHat and sometimes in McGraw-Hill Connect. The lowest two lab grades will be dropped to cover absences or illness. Please pay special attention to the schedule for the week, to make sure that you do not miss lab assignments within Connect.

Technology Requirements

- **REQUIRED eCampus Access:** Access to eCampus is **REQUIRED**. It will be your responsibility to check this site daily. To log in, click on the "eCampus" link in the "Quick Links" section of the Blinn homepage or go to: <http://ecampus.blinn.edu>
- **REQUIRED Hardware** You will need access to a computer with fast and reliable internet connection. A smartphone will not substitute for an actual computer needed for this class. You will need speakers, earbuds, or headphones to listen to online lessons. View the [Minimum Hardware and Software Recommendations](#) for online courses
- **REQUIRED Software** You will need software to use Adobe Reader, Microsoft PowerPoint, and Microsoft Word. Chrome and Firefox are the best internet browsers for this class. Safari is **NOT** compatible with many of the programs we use. You must be able to view Tegrity recordings on your computer. This is best done with Chrome or Firefox. View the [Minimum Hardware and Software Recommendations](#) for online courses
- To download Adobe Reader (free): <http://get.adobe.com/reader/>
- To access Microsoft Office 365: <http://www.blinn.edu/acadtech/Office365.html> or contact Academic Technology (979-830-4357)

Tech Information

For assistance on eCampus technical issues submit a help request via the Distance Education Technical support page at [Distance Learning Student Support - Help Desk page](#) or by phone at 979-209-7298.

- For help with passwords go to the [Academic Technology Help](#) page or dial 979-830-4357.
- For how to use eCampus reference files view the [eCampus Quick Tips](#) page and [eCampus Tutorials](#).
- To participate in this course your Internet connection must be reliable. A cable or LAN connection is recommended. If you have dial-up or satellite you must come to campus or find a location with a faster speed to take tests. View the [Minimum Hardware and Software Recommendations](#) for online courses.
- A 'broken' computer or Internet connection is not an acceptable excuse for missing or late assignments. Please designate 2 locations that you will use as backup locations if your Internet connection or computer fail.

✓ Evaluation

The following are the components of your grade

1. **Major Exams:** Four major exams covering the lecture material from each Unit. Information from the laboratory experiments may be included on major exams. Major exams will account for 40% of the final grade.
2. **Laboratory Exams:** Four laboratory examinations on knowledge and skills acquired through laboratory activities, covering histological slides, models, dissections, and any other lab work deemed appropriate by the instructor. There will be one lab exam for each unit module. Laboratory exams will account for 20% of the final grade.
3. **Connect Reading Assignments, Homework, Chapter Quizzes and Discussion Posts:** All the assignments performed through the Connect platform that are lecture based, and your activity within the Discussion Board, will account for 10% of your final grade.
4. **Laboratory Assignments:** All the lab assignments will be completed using the Tophat platform and occasionally a few modules in Connect. This will be outlined in your schedule. All of the laboratory assignments will account for approximately 10% of the final grade.
5. **Final Exam:** There will be a comprehensive exam covering the entire course. The final exams will account for 20% of the final grade.

Assessment	Percentage
4 Lecture Exams: one for each unit	40%
4 Lab Exams: one for each unit	20%
Final Exam: cumulative	20%
Online Connect Assignments	10%
Online Lab activity	10%
Total	100%

Percentage	Letter Grade
89 and higher	A
79 - 88.9	B
69 - 78.9	C

59 - 68.9	D
58.9 or below	F

How to Succeed in this Course

Science courses may be challenging and difficult. Most successful students spend two to four hours studying per week for each credit hour of the course. Since this is a summer session course, we are compressing 4 weeks of work into one week. And this is an online course, so please plan on spending anywhere from 25-35 hours per week completing assignments, watching lectures and studying for exams.

Key Points

- Have access to all the materials and technology required for this course (webcam, microphone, computer, reliable internet, etc).
- Attend all classes. Each lecture builds on the previous lecture. Stay ahead of the material.
- Come to class prepared by reading the textbook and/or lab manual beforehand and taking notes before class to improve success.
- If you have a question during lecture, go ahead and ask it. Chances are that at least three other students have this same question.
- Know your deadlines and course policies by looking at the syllabus, instructor announcements, and eCampus dates, schedules, and news items.
- Work through lots of practice problems in addition to your homework.
- Form study groups with your peers.
- Ask your professors for help, visit office hours, and, if needed, request an appointment to see your instructor one-on-one.
 - Be prepared when you visit with your instructor and have questions related to content ready.
- Seek help from Blinn College's tutoring services, if needed.
- Be responsible for your own learning by actively engaging in the course.

Blinn College Policies

All policies, guidelines, and procedures in the [Blinn College Catalog \(http://catalog.blinn.edu/\)](http://catalog.blinn.edu/), [Blinn College Board Policies \(http://pol.tasb.org/Home/Index/1204\)](http://pol.tasb.org/Home/Index/1204), and the [Blinn College Administrative Regulations \(https://www.blinn.edu/administrative-regulations/\)](https://www.blinn.edu/administrative-regulations/) are applicable to this course.

[Specific information on civility, attendance, add/drop, scholastic integrity, students with disabilities, final grade appeal, alternative retailers, campus carry and proctoring arrangements and cost. \(http://www.blinn.edu/syllabus-policies/\)](http://www.blinn.edu/syllabus-policies/)

Notice of any action taken under these protocol and procedures, by Blinn College or its employees, may be delivered by hand, through the U.S. Postal Service, or electronically to the student's Blinn Buc e-mail account. Notice shall be deemed received upon actual receipt, on deposit in the U.S. Mail, or upon entering the information processing system used by Blinn College for Blinn Buc e-mail accounts, whichever first occurs.

Information about the changes Blinn has made to the May Minimester, Summer I, and Summer II semesters: [Back with Blinn \(https://www.blinn.edu/back-with-blinn/index.html\)](https://www.blinn.edu/back-with-blinn/index.html).

* Course Policies

Please read: [May Minimester, Summer I, and Summer II 2021 General Classroom Procedures. \(http://www.blinn.edu/back-with-blinn/course-policies.html\)](http://www.blinn.edu/back-with-blinn/course-policies.html)

Problem Resolution

If you have a complaint about your class, you should first request a conference with your instructor to try and resolve the problems or issues. If the problems or issues cannot be resolved at the instructor level, you should request a conference with the Biology Department Head or Assistant Dean.

Dr. Michelle McGehee
Office: D-201
Phone: 979-209-7378
Email: michelle.mcgehee@blinn.edu

Laboratory Safety

*****This is 100% online course and the following does not apply to this section!**

Students will be provided with laboratory safety training during the first week of class. Students are expected to follow all safety rules including rules related to proper lab attire. **Closed toe shoes are required in the laboratory.** Students that fail to follow this rule, will be required to leave the lab and will be assigned an unexcused absence for the class day.

Attendance Policy

Attendance is required and recorded even for this 100% online course. This will be assessed strictly by assignments that are turned in. You must turn in the weekly assignments to be counted present for class that week. If the online assignments are not turned in on time, you will be counted absent, and the following policy will be enforced.

- One missed assignment (any assignment due that date not completed and/or submitted on time) equals one absence.
- Six missed assignments (any assignment due that date not completed and/or submitted on time) equal two weeks' worth of absences and then the student will be administratively withdrawn from the course.
- There will be no makeup assignments for missed due dates. You have two dropped assignments available to you from each section of lecture and lab to account for illness.

*****Please note that I am required by the College to DROP students who are not in attendance.**

Last Day to Q Drop is July 30th 2021

Academic Integrity

Academic Integrity is taken very seriously in this course, especially during proctored exams. If you are suspected of cheating, a Student Integrity Violation Report will be submitted with a full accounting to Academic Affairs.

Policy for proctored exams includes the following:

- Exams must be taken in a quiet environment, with absolutely no talking by the student or anyone else. Students may not read the questions out loud.
- Student must not wear hats, sunglasses, ear buds, smart watches, headphones, air pods, or anything else that covers the eyes or ears. Reading glasses as necessary are acceptable.
- Resources of any kind are not to be used during proctored exams. This includes but is not limited to notes, books, electronic devices, scratch or blank paper, pens or pencils, personal assistants, etc.
- Eyes must be kept on the screen at all times. If eyes wander away from the screen, it will be assumed that you are cheating. A suggestion for those who need to look away is to close your eyes for a moment, if you need to think about a question, so it is clear your eyes are not wandering.
- You are responsible for having access to sufficient internet access. Technical difficulties will not be an excuse for missing an exam, or running out of time during an exam. Once you are out of the exam, you will not be allowed back in.

Accommodations

Please contact the Office of Disability Services and fill out the appropriate forms if you plan to request special accommodations for this class.

At Blinn College, every effort is made to provide equal access to students with learning disabilities and functional challenges. If one of your accommodations is extended time for assessments such as lecture or laboratory exams, I need to be within 3 days of the course beginning so adjustments to exam times can be made.

Please keep in mind that, while allowed extra time to complete assessments, there is not an allotment for extra time to study for assessments. Thus, assessments must be taken the same day as the enrolled section.

Schedule

Day of class	Day	Date	Lecture: For every chapter, the lecture time includes you completing the Connect assignments, listening to the lectures, taking notes, and answering the learning objectives	Lab: For every Lab, you will complete them in Tophat, unless otherwise noted
1	Mon	Jul 12	Introduction video, take Syllabus Quiz; Chapter 26.2	Lab 1
2	Tues	Jul 13	Begin Ch 17	Lab 2
3	Wed	Jul 14	Complete Ch 17 and Begin Chapter 25 Syllabus Quiz is Due Wed at 11:59 PM	Lab 3
4	Thurs	Jul 15	Complete Ch 25, Week 1 Discussion	Review for lab exam 1
5	Sat-Sun	Jun 17-18	Lecture Exam 1 (Chapter 26.2, 17 and 25) All Assignments from Unit 1 are due Sunday at 11:59 pm	Lab Exam 1 (labs 1-3)
6	Mon	Jul 19	Complete Chapter 18	Lab 4
7	Tues	Jul 20	Begin Chapter 19	Lab 5 and lab 6
8	Wed	Jul 21	Complete Chapter 19 and begin Chapter 20	Lab 7
9	Thurs	Jul 22	Complete Chapter 20, Week 2 Discussion	Lab 8
10	Sat-Sun	Jul 24-25	Lecture Exam 2 (Chapter 18, 19, 20) All Assignments from Unit 2 are due Sunday at 11:59pm	Lab Exam 2 (labs 4-8)
11	Mon	Jul 26	Complete Chapter 21	Lab 9
12	Tues	Jul 27	Complete Chapter 22	Lab 10
13	Wed	Jul 28	Complete Chapter 23	Lab 11
14	Thurs	Jul 29	Completer Chapter 24, Week 3 Discussion	Lab 12
15	Sat-Sun	Jul 31-Aug 1	Lecture Exam 3 (Chapter 21, 22, 23, 24) All Assignments from Unit 3 are due Sunday at 11:59pm Friday Jul 30th is last day to Q Drop	Lab Exam 3 (labs 9-12)
16	Mon	Aug 2	Complete Chapter 27	Lab 13

17	Tues	Aug 3	Complete Chapter 28	Lab 14
18	Wed	Aug 4	Complete Chapter 29, Week 4 Discussion	Lab 15
19	Thur	Aug 5	Review for Final Exam	Review for Final Exam
20	Fri- Sat	Aug 7-8	Lecture Exam 4 (Chapter 27, 28, 29) All Assignments from Unit 3 are due Saturday at 11:59pm	Lab Exam 4 (labs 13-15)
21	Mon	Aug 9	Final Exam (Cumulative)	
			Total contact hours	

* In case of course schedule changes, updates will be posted on eCampus and notified in class.

Δ In the Carnegie Hour system 50 minutes = 1 contact hour.

Q Q-drop, last day to withdraw with a "Q" is Friday, July 30th 2021