

Anatomy & Physiology II

BIOL-2402

Summer II 2021 Section N04 CRN-40622 4 Credits 07/12/2021 to 08/09/2021 Modified 07/12/2021

Meeting Times

This is an online course where all exams and most quizzes must be completed in a proctored environment. Additionally, you are required to schedule 1 mandatory meeting via video/audio conferencing (zoom/phone) with me after first exam.

Contact Information

Instructor: Vandana Sarin

Email: vandana.sarin@blinn.edu

Phone: 979 209 8554

Office Hours

Monday, Tuesday, Wednesday, Thursday, 11:00 AM to 11:30 AM, Via zoom link: <https://blinn-edu.zoom.us/j/83542435808?pwd=WnVNZ3RCOWJqaFpybGFQWm1TVUQrQT09>

Please find a folder under the Content tab of eCampus titled Office hour. Please click on "Join Session" to attend the office hour. I am available to meet on Monday, Tuesday, Wednesday and Thursday from 11 am-11:30 am during that session.

Though my "official" office hours are listed above, please feel free to call me anytime between 8:00 am and 5:00 pm. If I don't pick up, just leave a message with your name, number, and a brief description of the issue and I will call you back as soon as I can.

Email and Phone Message Responses: I check my email several times a day during normal business hours, so expect less than a 24 hour response time during normal weekdays. I do check my email on weekend when I have time, but I do not guarantee a 24 hour turn around on weekend emails or phone calls.

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

Bryan

1. Lab book options:

A) you can register by simply visiting our course website: <https://app.tophat.com/e/202903>

Note: our Course Join Code is: 202903

OR

B) place a Blinn bookstore order for BIO 2402 Lab Manual:

ISBN: 978-1-64386-440-2

Title: Biology 2402/A&P II LM-3E

Click on the link to access the lab book through the [Blinn bookstore](https://blti.bncollege.com/mapping/consumer/desire2learn/instances/blinn/campus-picker).
(<https://blti.bncollege.com/mapping/consumer/desire2learn/instances/blinn/campus-picker>)

2. McGraw-Hill "Connect access code" for the learning platform. The code can be purchased with an e-textbook or separately online. You will need the code and the link provided through eCampus to access the mandatory assignments.

3. Textbook: *Anatomy Physiology-The Unity of Form and Function*, 9th Edition, Saladin, McGraw-Hill only if you don't have access to electronic textbook.

4. Computer access that meets Blinn College Distance Learning Standards:

- <https://my.blinn.edu/DistanceLearning/Pages/eCampus-Technical-Information.aspx>
- Systems check for Honorlock proctoring requirement. [RUN SYSTEM CHECK \(https://honorlock.com/support/\)](https://honorlock.com/support/)

5. A webcam and microphone is necessary for proctored exams; a headset is necessary to hear online videos if your computer has no speakers.

Optional online resource:

- **A&P Revealed** is an online dissection and physiology review site. Access A&P Revealed via the connect site.
- Another great study tool includes, **visible body**. You can access the software from home by clicking on the following link:<http://kidd.blinn.edu:2048/login?url=http://aandp.visiblebody.com/>.

☰ Course Requirements

Lecture Exams cover material presented in both lecture and lab, generally in a multiple choice (50-60) questions. If you anticipate missing a lecture exam please let me know as soon as possible. The makeup must be completed within two days. The lowest lecture exam grade will be replaced by the higher final exam grade. If your final exam grade is lower, it will not be used to replace. The lecture exams are online. The exams will be taken using the Honorlock proctor. Please note that you will not be allowed to go back to the questions in the exam. Once an exam is completed by the entire class you can review your attempt with me during a scheduled meeting or the office hour. This category is worth 40% of total grade.

Lab Exams cover material presented in lab, presented as slides, dissected specimens, models, test results, images, etc covered in lab exercises and assessments of the lab manual. You will take 4 lab practicals. All the lab exams are on line and are 50 multiple choice, fill-in-the-blanks, and matching questions. The exams will be taken using the Honorlock proctor. Please note that you will not be allowed to go back to the questions in the exam. Once an exam is completed by the entire class you can review your attempt with me during a scheduled meeting or the office hour. This category amounts to 20% of your overall grade.

Final Exam is **comprehensive**, over the entire course content. This final is important as it constitutes 20% of your overall grade. The final exam is online. The final exam schedule is as specified on Blinn website. The exam will be taken using the Honorlock proctor. Please note that you will not be allowed to go back to the questions in the exam. Once an exam is completed by the entire class you can review your attempt with me during a scheduled meeting or the office hour.

Quizzes category amounts to 5% of your total grade. You can makeup a missed assignment if you notify me prior to missing the assignment and can complete it within 2 days. 2 lowest scored quizzes will be dropped at the end of semester. The quizzes will be taken using the Honorlock proctor.

Digital lab book using TopHat platform, assignments in this category will amount to 5% of the total grade. They may also include matching and labeling assignments on eCampus and questions embedded in the online lab book. These assignments need to be completed in a timely manner. You can makeup a missed assignment if you notify me prior to missing the assignment and can complete it within 2 days. 2 lowest scored assignments will be dropped at the end of semester.

Connect reading assignments and home-work assignments: This online component on connect platform is worth 5% of your total grade. Average of the grade from all the assignments will be added to the grade book. Two assignments of lowest grade will be dropped.

Connect lab assignments: This online component on connect platform is worth 5% of your total grade. Average of the grade from all the assignments will be added to the grade book. Two assignments of lowest grade will be dropped.

1 required virtual meeting via phone/zoom with me during the semester. The mandatory meeting must be take place after Exam 1.

BONUS of 5 points is available for each lecture and lab exam.

✓ Evaluation

4 Lecture Exams	40%
4 Lab Exams	20%
Final Exam	20%
Online quizzes	5%
Digital Lab book (Tophat platform) assignments	5%
Connect readings and home-work assignments	5%
Connect lab assignments	5%

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.

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.

Breakdown

100-90%=A

89-80%=B

79-70%=C

69-60%=D

<60%=F

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

At Blinn College, every effort is made to provide equal access to students with learning disabilities and functional challenges. Please inform me of your disability and I will make appropriate changes in the course work.

Providing answers to another group during group work is a form of academic dishonesty.

Notes on Attendance Policy:

- One missed due date (any assignment due that date not completed and/or submitted on time) equals one absence. Six missed due dates (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.

Not logging into eCampus is NOT an excuse for missed information or assignments. Please don't hesitate to contact me with any questions or concerns about the course. Please post to your questions on eCampus Discussion, or email me. See my Communication Policy for response time. Please be aware my response time is subject to change due to division and college meetings as well as other commitments.

Proctoring Policy: Students will be required to take quizzes, exams, and final exam remotely using Honorlock. Honorlock is a third-party vendor that Blinn College has contracted with to provide proctoring services. NO additional fees will be charged for using Honorlock. I will carefully review any flagged behaviors that you may have during exams. If I determine that the flagged behaviors do indeed indicate cheating, you will receive a zero on the exam.

Last day to Q drop is July 30th.

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 Assistant Dean:

Michelle McGehee

Phone: 979-209-7378

email: michelle.mcgehee@blinn.edu

Laboratory Safety

Schedule

Day of class	Day	Date	Lecture	Lab	Assig
Before Day 1	Complete the eCampus orientation course, and upload completion certificate in drop box to access the content of current course				
1	Monday	07/12/2021	Introduction via Zoom meeting; Begin Ch 26: Nutrition: ch 26.2 Carbohydrate metabolism: read the power point slides, listen to the recording, make notes and answer the learning objectives	Login to Tophat account and complete Lab 1 O2 Consumption and metabolism	Pre-A

Use "PRACTICE TEST FOR HONORLOCK" from eCampus before taking the Quiz on Lab 1; all exams are proctored using Honorlock

2	Tuesday	07/13/2021	Begin Ch 17: Endocrine system listen to the recording, make notes and answer the learning objectives	Complete lab 2 in Tophat account and complete the eCampus assignments	Comp Hono
3	Wednesday	07/14/2021	Complete Ch 17: Endocrine system and Begin ch 25: digestive system read power point slides, listen to the recordings, make notes and answer the learning objectives	Complete lab 3 in Tophat account and complete the eCampus assignments	Comp for la
4	Thursday	07/15/2021	Complete ch 25: digestive system read power point slides, listen to the recordings, make notes and answer the learning objectives	Review for lab exam 1	Comp
5	Friday-Sunday	7/16/2021-7/18/2021	Lecture Exam 1	lab Exam 1	Conn Bonu
6	Monday	07/19/2021	Ch 18: Blood; read power point slides, listen to the recordings, make notes and answer the learning objectives	Complete lab 4; watch the recording on blood typing	Quizz
7	Tuesday	07/20/2021	Ch 19: Heart; read power point slides, listen to the recordings, make notes and answer the learning objectives	Complete labs 5 and 6 in Tophat account and complete the eCampus assignments	Quiz
8	Wednesday	07/21/2021	Ch 19: Heart and begin ch 20: blood vessels: read power point slides, listen to the recordings, make notes and answer the learning objectives	Complete lab 7 in Tophat account and complete the eCampus assignments	Quiz
9	Thursday	07/22/2021	Complete ch 20: blood vessels: read power point slides, listen to the recordings, make notes and answer the learning objectives	Complete lab 8 in Tophat account and complete the eCampus assignments	Quiz ECG
10	Friday-Sunday	7/23/2021-7/25/2021	Lecture Exam 2	Lab Exam 2	Conn 2; To
11	Monday	07/26/2021	Complete ch 21 -mandatory lecture: lymphatic system: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 9 in Tophat account and complete the eCampus assignments	Quiz
12	Tuesday	07/27/2021	Ch 22: Respiratory system: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 10 in Tophat account and complete the eCampus assignments	Quiz
13	Wednesday	07/28/2021	Complete Ch 22 and begin ch 23: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 11 in Tophat account and complete the eCampus assignments	Quiz
14	Thursday	07/29/2021	Ch 23: Urinary system: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 12 in Tophat account and complete the eCampus assignments	Quizz
15	Friday Q drop date, Exams Friday-Sunday	7/30/2021-8/01/2021	Lecture Exam 3	Lab Exam 3	Conn 3; To

16	Monday	8/2/2021	Ch 24: Fluid and electrolyte balance: read power point slides, listen to the recordings, make notes and answer the learning objectives	Open book quiz on Ch 24	Open
17	Tuesday	8/3/2021	Ch 27: Male reproductives system: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 13 in Tophat account and complete the eCampus assignments	Quizz
18	Wednesday	8/4/2021	Ch 28: Female reproductives system: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 14 in Tophat account and complete the eCampus assignments	Quiz
19	Thursday	8/5/2021	Ch 29: Human development: read power point slides, listen to the recordings, make notes and answer the learning objectives	Lab 15 in Tophat account and complete the eCampus assignments	open
20	Friday-Sunday	8/6/2021-8/8/2021	Lecture Exam 4	Lab Exam 4	in ren assig exam
21	Monday	8/9/2021	FINAL EXAM		in ren