



EAST TEXAS A&M

— UNIVERSITY —

Bsc2401.9EE Anatomy and Physiology

COURSE SYLLABUS: FALL 2026

INSTRUCTOR INFORMATION

Instructor: Justin Anderton

Office Location: CHS

Office Hours: Wednesday 4pm-5pm

Preferred Form of Communication: justin.anderton@commerceisd.org

COURSE INFORMATION

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Course Description:

This course will consist of a study of structures and functions of human organ systems and how these organ systems interact to create a functional organism. We will also discuss how various diseases and disorders can disrupt the proper functioning of the organ systems of the human body.

Anatomy & Physiology is a course at PJC for students entering fields in allied health sciences, psychology, physical therapy, physical education, biology, geology, ecology, anthropology, agriculture, and any student who needs a basic understanding of structure and function of the human body and who has an entry level background in biology or nursing. This course is specially designed to be completed in two semesters. The topics discussed in this course are organized so that they form a core that is suitable to satisfy the prerequisites for student advancement.

Credits: SCH = 4 (3 Lecture and 1 Lab) per week

The syllabus/schedule are subject to change.

Required Textbook(s) and Materials

Connect for Hole's Anatomy & Physiology w/Proctorio + (1 year/2 term)(Custom)

Edition: 16th

ISBN: 9781265148058

Author: Welsh

Publisher: MCGRAW HILL (CUSTOM PUBLISHING)

The Textbook and CONNECT access necessary to complete homework, exam, quizzes and virtual lab activities. In addition to a functional computer with a stable internet connection, you need a folder with loose leaf paper, a pen and colored pencils.

Course Goals and Objectives:

THECB Science Core Objectives:

Critical Thinking Skills - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

Communication Skills - to include effective development, interpretation and expression of ideas through written, oral and visual communication

Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

Teamwork - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Student Learning Outcomes (Biological Science Program-Level)

1. Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
2. Demonstrate knowledge of basic terminology and understanding of major biological concepts.
3. Use appropriate laboratory techniques and equipment safely and proficiently.

ACGM Lecture Learning Outcomes

Upon successful completion of this course, students will:

1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.
3. Describe the interdependency and interactions of the systems.
4. Explain contributions of organs and systems to the maintenance of homeostasis.
5. Identify causes and effects of homeostatic imbalances.
6. Describe modern technology and tools used to study anatomy and physiology.

ACGM Laboratory Learning Outcomes

Upon successful completion of this course, students will:

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1. Apply appropriate safety and ethical standards.
2. Locate and identify anatomical structures.
3. Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.
4. Work collaboratively to perform experiments.
5. Demonstrate the steps involved in the scientific method.
6. Communicate results of scientific investigations, analyze data and formulate conclusions.
7. Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations and predictions.

Course Requirements and Evaluation:

Entering Your Course: This course utilizes the McGraw-Hill (MGH) Connect platform to deliver many assignments. Most of these MGH Connect assignments are linked for you in D2L under the respective units. Your first assignment is to click on a MGH link, then you will be directed to Connect where you must **register** for the MGH Connect course. How to register is described in detail under the **Start Here Tab** in D2L. Once you have registered in MGH Connect you will be able to complete the When registering in MGH Connect, you will need to enter an e-mail and password. Use your **school email** and choose a password you will remember.

Article Summary are 10 pts each. There will be one article summary due at the end of each unit and they should run 1to 2 pages in length. Please Follow the template that is provided for you in D2L

SMARTBOOK Assignments involve 16 SMARTBOOK assignments at 10pts each = 160pts. They are not timed and you can do a little work at a time and then return later. You will get detailed feedback after each question explaining anything you missed, so take notes. Homework assignments are designed to help you study for each chapter and excel on the exams. You may see some of these homework questions again on your unit exams. You may take notes to help you study. If you have a question there is an “ask the instructor” function in your homework.

Lecture Exams are predominantly multiple choice and true/false, but may include short answer questions as well.

Exam 1- Timed, 1 attempt- 100pts

Exam 2- Timed, 1 attempt- 100pts

Exam 3- Timed, 1 attempt- 100pts

Exam 4- Timed, 1 attempt- 100pts

Comprehensive final exam – Timed, 1 attempt – 200 pts

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Final Exam: Make yourself a good review and you should do well. The questions on the Final Exam are not exact repeats from the homework as you may have been accustomed to in the past. **The Final Exam can replace a low or missed exam.**

Once you begin a timed assignment or exam you cannot stop the time, so be ready and make sure your internet connection is solid. Do not think you can close out and come back later! Likewise, there will not be time to search for answers. Before beginning the exam, you should study and be familiar with the concepts presented. The test stops when the time ends, regardless of whether all questions have been answered.

Quizzes: You will have a 10 question quiz with each chapter in a unit. The quiz is timed but allowed to be completed outside of class.

Virtual Labs include numerous online lab activities. These are very user friendly, enjoy them, and be sure to watch the tutorial on them. They guide you, so the key is taking your time and following directions! Most are pretty short.

In person Labs: you will also have numerous labs that are carried out during the time in the classroom. Some of these labs will require you to submit formal lab reports demonstrating mastery of the content.

Grading Scale:

A - 90%- 100%
B - 80%- 89%
C - 70%-79%
D - 60%-69%
F – 59% and below

This is a challenging course, but you have an excellent chance of success if you complete all assignments on time and to the best of your ability. Assignments will only be reopened if the Connect system has issues or in extreme and verifiable cases approved on an individual basis, such as an unexpected hospitalization. Basically, if Connect is working, then the web page is good so make sure you have an updated computer and reliable connection to the internet for this course.

System Requirements for Connect and Browser Test: Use this link to check your computer to ensure you have all that you need to run the Connect Learning System
<https://www.mheducation.com/highered/connect/support.html>

Tips/Time: This course will require a significant time commitment equal to or above that of a traditional class, depending on the student. Work at your own pace but do not let due dates approach and assume you can get the work done in a day or two. Your course is set up into 4 units plus the final exam. In a standard unit, you will have 3 chapters to cover, so read and study each (take notes and pay attention to bold terms), complete the homework assignment with each chapter (*recall that some questions in*

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the homework may reappear on your unit exams), complete the labs for each unit, and the unit exam covering the 3 chapters. Plan a good schedule for when you want to complete each well before the due date.

Course Policies:

Rules for ALL Written Assignments

1. 12 pt type
2. Times New Roman Font
3. Double space
4. Full citation both in the paper and a reference page (APA)
5. 1 in margins

Make-Up Work: Stay well ahead of due dates so when the unexpected occurs, you will NOT be able to submit assessments by the due date. However, if an unanticipated emergency arises and you are unable to submit a MGH lecture assignment as scheduled, email your instructor with documentation and an explanation within 48 hours of the posted due date. At the instructor's discretion a student may be given permission to submit MGH homework assignments up to two weeks late. For a face to face course, if permitted, it is the student's responsibility to schedule a makeup exam with the instructor during the instructor's office hours, and within two weeks of the exam. Make up exams may include both multiple choice and essay questions. Online students may submit exams early, but not late. **Online lab activities and online lab exams may not be submitted late.**

Most online assignments are open for you to complete, so work ahead, especially if you anticipate a scheduling conflict. Late work will not be accepted the last week of the semester. Under no circumstances may the final exam be taken late. All lab assignments and most lecture assignments must be completed by using the links provided in D2L to enter McGraw Hill's Connect.

Course Communication: Outside of the classroom, email is the preferred method of communication. Always use your school email and include your full name and course number with all correspondences. Due to federal student privacy laws, grades cannot be discussed via email. Select the My Grades tab within your course to review your grades. You can expect a reply to your email within 24 hours, Monday - Friday 8:00 am – 3:00 pm.

Class Attendance:

Class attendance is critical for the successful completion of this course. *For online courses, students must complete work in a timely manner and follow due dates.* Withdrawals must be initiated by the student.

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Class Conduct:

Do not photograph or make a video or audio of the class lectures, labs or your instructor. Turn off or silence and put away all cell phones, pagers, iPods, headphones, etc. before entering the classroom/laboratory. No obscene/vulgar language will be permitted in the classroom/laboratory. Faculty reserve the right to drop a student for violations of the Student Conduct Policy as listed in the Student Handbook.

Academic Honesty:

In the pursuit of learning, it is expected that students will engage in honest academic endeavor to the highest degree of honor and integrity. Students who are found to engage in academic dishonesty through such activities as cheating on exams, plagiarism, or collusion with others will be referred to the Vice President of Student Access and Success for disciplinary action such as dismissal from the college. *These students will immediately receive a score of zero on the exam/assignment in question with no possibility of makeup work and will forgo the right to receive any bonus points for the remainder of the semester. Students who are suspected of cheating due to questionable activities may be required to prove their innocence.*

Your instructor strongly discourages the use of Artificial intelligence (AI).

However, AI tools are permitted in this course. To adhere to our scholarly values, students must cite any AI-generated material that informed their work (including in-text citations with quotations). Any AI tool used must also be in your reference list. Warning: AI-generated content is known to falsify information and academic citations, which should be corrected in your completed document. Using an AI tool to generate content without proper attribution qualifies as academic dishonesty.

ADA Statement

It is the policy of Paris Junior College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, State and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to arrange an appointment with a College Success Coach in the Advising & Counseling Center to obtain a Request for Accommodations form. For more information, please refer to the Paris Junior College Catalog or Student Handbook.

Class Chapter Schedule

Unit 1

- Chapter 1 Introduction
- Chapter 2 The Chemistry of Life
- Chapter 3 Cells

Unit 2

- Chapter 4 Cellular Metabolism
- Chapter 5 Tissue
- Chapter 6 Integumentary System

Unit 3

- Chapter 7 Muscle System
- Chapter 8 Skeletal System
- Chapter 9 Joints of the Skeletal System

Unit 4

- Chapter 10 Nervous System 1
- Chapter 11 Nervous System 2
- Chapter 12 Nervous System 3

Final Exam will be due on the Monday of Finals week!

****Dates in the syllabus are subject to change****

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

Zoom Video Conferencing Tool

https://inside.etamu.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

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ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@etamu.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Guidebook.

<https://inside.etamu.edu/admissions/registrar/documents/studentGuidebook.pdf>.

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Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedures 13.99.99.R0.01](#)

<http://www.etamu.edu/admissions/registrar/generalInformation/attendance.aspx>

Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

Graduate Students Academic Integrity Policy and Form

[Graduate Student Academic Dishonesty Form](#)

<https://inside.etamu.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

East Texas A&M University

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@etamu.edu

Website: [Student Disability Services](#)

<https://www.etamu.edu/student-disability-services/>

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Nondiscrimination Notice

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

East Texas A&M Supports Students' Mental Health

The Counseling Center at East Texas A&M, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.etamu.edu/counsel

Mental Health and Well-Being

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.

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<http://telusproduction.com/app/5108.html>

AI use policy [Draft 2, May 25, 2023]

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty

Department or Accrediting Agency Required Content

COURSE OUTLINE / CALENDAR

The syllabus/schedule are subject to change.