Revised 1/5/2026

EAST TEXAS A&M UNIVERSITY

BSC 2402-CME: Anatomy and Physiology Lecture/Lab

COURSE SYLLABUS: Spring 2026

INSTRUCTOR INFORMATION

Instructor: Jenny Hodnett
Office Location: Room 224 Caddo Mills High School
Office Hours: 7:45-8:30 Monday-Friday
Office Phone: 903-527-3164
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University Email Address: jenny.hodnett@etamu.edu jhodnett@caddomillsisd.org
Preferred Form of Communication**:** email
Communication Response Time: <24 weekday hours

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Textbooks: These books are used for 2401 and 2402 and it is imperative that you have both.

Holes Human Anatomy and Physiology, by Welsh et al. 16th edition, ISBN**:** 9781264961009
https://www.mheducation.com/highered/product/Holes-Human-Anatomy-and-Physiology-Welsh.html

The textbook is an important resource that I will refer to throughout the course. An alternative to purchasing the textbook is the openstax textbook. It can be found at this link:
Free Supplemental Material:
https://openstax.org/details/books/anatomy-and-physiology

Human Anatomy and Physiology Lab Manual - Fetal Pig Edition, by Marieb et al. 13th edition ISBN: 9780134806365

The *syllabus/schedule are subject to change.*

PLEASE NOTE: Lab Manuals CANNOT be rented from a third party. Each student MUST have a consumable lab book from which pages MUST be torn out and submitted for grading. This means that absolutely NO copies can be submitted as it violates copyright laws.

Course Description

Student Learning Outcomes (Should be measurable; observable; use action verbs)

1. Students will understand basic terminology and concepts of human anatomy and physiology.
2. Students will demonstrate an understanding of homeostasis in the human body.
3. Students will demonstrate basic skills and knowledge that will help them achieve success in allied health science fields or upper-level science coursework.
4. Students will explain the basic structure and function of the integumentary system, skeletal system, muscular system, and nervous system.
5. Students will work safely and collaboratively in the laboratory using proper equipment and tools.
6. Students will analyze data and think critically to develop a conclusion from lab experiments.

Course Goals: To give the beginning student interested in a career in health care a conceptual and practical understanding necessary for understanding the basic structure and function of the human organism. In addition, the student will learn critical thinking skills necessary for understanding and interpreting scientific information.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

The following are minimal technical skills required for the coursework for BSC 2402-CME:

1. Ability to use and navigate MyLeo Online (D2L Brightspace) for Texas A&M University - Commerce containing the coursework components.
2. Ability to log in to my Leo in class. This requires a second device for two factor authentication.

Instructional Methods

Quizzes/Homework - We will have short quizzes periodically throughout the semester. You will be informed of these in advance.
Lab Practicals - Lab practicals will test your ability to identify structures on preserved specimens. They will also include questions that pertain to lab activities performed in class.
Exams - There will be 3 exams. These exams cannot be made up unless the absence is excused according to university policy. If the exam is excused but is not made up you will receive a zero for the exam.

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Final Exam - The final exam will be comprehensive.
Lab Activity/Participation - It is imperative that you be present for both lecture and lab. Labs may not be made up unless the absence is excused according to university policy. If the lab is excused but is not made up the student will receive a zero for that lab activity.
Classroom Participation - You will begin the semester with a 100 for class participation. Points will be deducted for unexcused absences.
Lab Review Sheets - Upon the completion of most labs you will be required to complete a review sheet. These will be due at the start of the next lab session.
Case Studies - Case studies will be completed during some units.

Student Responsibilities or Tips for Success in the Course

It is extremely important that you read the syllabus in its entirety and that you log in to D2L often to make sure all assignments are submitted on time. Check your email at least once a day. Keep up with the weekly readings. Test questions will be taken from the weekly readings as well as the lecture notes. Taking notes in class as well as reading the chapters are imperative. Cell phones MUST be put away at all times during lecture and lab. There will be zero tolerance for this.

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GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%
B = 80%-89%
C = 70%-79%
D = 60%-69%
F = 59% or Below

Total points corresponding to the final letter grades
A = 451- 500 Points
B = 401- 450 Points
C = 351- 400 Points
D = 301- 350 Points
F = 300 & > Points

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Lab Practicals - 20%
Lecture Exams - 50%
Lab Activities/Review Sheets/Participation/lecture quizzes - 15%
Final Exam - 15%

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

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.

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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.

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

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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/

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.

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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.

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

***It is imperative that you read the textbook chapter that corresponds with each week's lecture. Test questions will cover both independent reading and lectures.**

Week 1
Lecture - Chapter 13 Endocrine System, Endocrine System Quiz
Lab - Case Study

Week 2
Lecture - Chapter 14 - Blood
Lab - Dissection Exercise 3 pg 715
Lab Review Sheet 27 pg 405

Week 3
Lecture - Chapter 15 - Cardiovascular
Lab - Hematocrit Lab and Blood Case Studies
Lab Review Sheet 29 pg 429

Week 4
Lecture - Chapter 15 - Cardiovascular Pt. 2
Lab - Sheep Heart Dissection
Lab Review Sheet 30 pg 445

Week 5
EXAM - Chapters 13,14,15 Endocrine, Blood, Cardiovascular
Lecture - Chapter 16 - Immune System
Lab - Fetal Pig Blood vessels and lymphatic system Dissection 4 pg 719
Lab Review Sheet 35 page 527

Week 6
Lecture - Chapter 17 - Digestive System
Immune System Quiz
Lab - Lab Practical - Fetal Pig Endocrine and blood vessels/sheep heart - study day 1 test day 2

Week 7
Lecture - Chapter 19 - Respiratory System
Lab - Investigation - Spirometry (virtual); Investigation - Measuring Lung Capacity Exercise 36 page 539

Week 8
Lecture - Chapter 20 - Urinary System
Lab- Fetal Pig Dissection Exercise 5,6,7 (digestive, respiratory, urinary system)

Week 9
Lecture - Chapter 20 - Urinary system continued
Lab - Kidney dissection
Review Sheet 40 - Anatomy of the Urinary System pg 613

Week 10
EXAM - Chapters 17, 19, 20 Digestive, Respiratory, Urinary
Lecture - Chapter 21 - Electrolytes
Lab - Lab Practical - digestive, respiratory, urinary system
Lab - Urine Luck

Week 11
Lecture - Chapter 22 - Reproductive System
Lab - No Lab - Easter Holidays

Week 12
Lecture - Chapter 22 - Reproductive System continued
Lab - Review sheets 42 & 43
Dissection Exercise 8 pg 743

Week 13
Lecture - Chapter 23 - Growth and Development
Lab - Review sheet 44

Week 14
Lecture - Chapter 24 - Genetics
Lab - Review Sheet 45

Week 15

The *syllabus/schedule are subject to change.*

EXAM - Chapters 21,22,23, 24 Electrolytes, reproduction, growth and development, genetics
FINAL EXAM REVIEW WEEK

Week 16
FINAL EXAM
*This schedule is subject to change at the teacher's discretion.