




# Biology 2401E Human Anatomy and Physiology I



## Course Syllabus

### Contact Information:

Instructor:	Dr. David W. Allard	
Office Location:	SCIT 219A	
Telephone:	903-334-6672	
Email:	<a href="mailto:David.Allard@tamut.edu">David.Allard@tamut.edu</a>	
Office Hours:	<ul style="list-style-type: none"><li>• 1:00 - 3:45 TR</li><li>• If needed we can set up a Zoom meeting at most</li></ul>	

	<p>any time, including at night.</p> <ul style="list-style-type: none"> <li>• Call or email to setup an appointment</li> </ul>	
Class Days/Time:	<ul style="list-style-type: none"> <li>• Biology 2401 Lecture -- Web</li> <li>• Labs <ul style="list-style-type: none"> <li>○ Biology 2401 01L 9:30-10:45 TR</li> <li>○ Biology 2401 02L 11:00-12:15 TR</li> </ul> </li> </ul>	

## Course Delivery Method:

The courses lectures will be delivered online from blackboard. Information on this will be provided on the blackboard course site. The lab for the course will be face-to-face.

## Response Time:

- I will normally grade your assignments within 5 days after submission.
- I will normally respond to emails and calls within a day.

## Position in Curriculum:

This course is a requirement for the pre-health minor. Prerequisites: C or better in BIOL 1306 or 35 or better on the Biology Readiness test.

## Web Pages:

- [Dr. Allard's Home Page](#)
- Twitter @dwallard
- [Dr. Allard's Science Page on Facebook](#)
- [A&P in Session on Facebook](#)

## **Course Description:**

This course covers basic human anatomy and physiological principles focusing on the cellular and tissue levels and their integration into the integumentary, skeletal, muscular, and nervous systems. Prerequisite: C or better in BIOL 1306 or 35 or better on the Biology Readiness test.

## **Core Curriculum Objectives (CCOs):**

The objective of the study of a natural sciences component of a core curriculum is to enable the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the bases for building and testing theories.

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

- The student will demonstrate proficiency of CCO #1 by writing case essays on topics assigned by the professor. The student will also demonstrate proficiency by satisfactorily answering exam questions and other content mastery assessments.

2. Teamwork—to include the ability to consider different points of view and work effectively with others to support a shared purpose or goal. To understand and apply method and appropriate technology to the study of natural sciences.

- The student will demonstrate proficiency of CCO #2 by working with a team to write a case essay on a topic assigned by the professor.

## **Learning Outcomes:**

1. Upon successful completion of this course, students will be able to:
2. Identify the microscopic and gross anatomy of selected organs and systems from laboratory dissection of animal organs and systems, interactive labs, and lab demonstrations.
3. Demonstrate an understanding of macroscopic and microscopic structure and function of the human body systems.
4. Demonstrate an understanding of the systems and mechanisms involved in maintaining a state of human health.
5. Use terminology key to the fields of anatomy and physiology.
6. Correlate the relationships of the body systems as they work together.

Successful achievement of these objectives will be demonstrated by a grade of 70 percent or better on the lecture and laboratory exams.

## **Required Text:**

Martini et al. 2015 Fundamentals of Anatomy and Physiology. 10th Edition Benjamin Cummings.

# Fundamentals of Anatomy & Physiology, 11th Edition

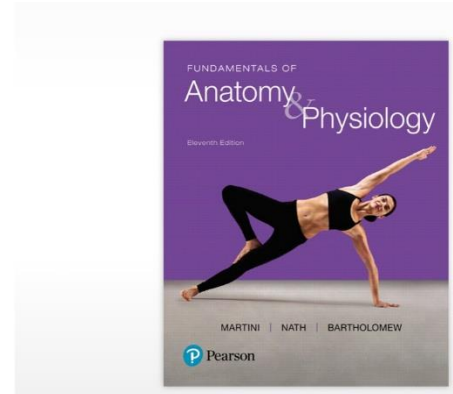
Frederic H. Martini, University of Hawaii

Judi L. Nath, Lourdes University

Edwin F. Bartholomew, Lahainaluna High School

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 MASTERING



- Hard Cover w/Modified MasteringAandP: 013396387X \$209.70 net
- Loose-leaf w/Modified MasteringAandP:0133929809 \$140.00 net
- Standalone Modified MasteringAandP w/eText: 0321973569 \$100.50 net

## Course Outline:

1. An Introduction to Anatomy and Physiology
2. The Chemical Level of Organization
3. The Cellular Level of Organization
4. The Tissue Level of Organization
5. The Integumentary System
6. Bones and Bone Structure
7. The Axial Skeleton
8. The Appendicular Skeleton
9. Joints
10. Muscle Tissue
11. The Muscular System
12. Nervous Tissue
13. The Spinal Cord, Spinal Nerves, and Spinal Reflexes
14. The Brain and Cranial Nerves
15. Sensory Pathways and the Somatic Nervous System
16. The Autonomic Nervous System and Higher-Order Functions

## Methods of Evaluation:

- The average of your lecture exams will count as 60% of your course grade, the average of the lab exams and other work will be 30% and the average of the assignments on MasteringA&P with count 10%. Four lecture exams and about 4 lab exams will be given.
- A number of MasteringA&P assignments will be given.
- The lecture exams will be objective questions and the lab exams will be practical exams using the lab exercises, specimens and models covered.
- **Note: It is not possible to make up lab practical exams.**

## Grading Scale:

A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = 0-59%

## Classroom Protocol:

**Participation Policy:** Participation in the course will include attendance at all scheduled meetings and collaboration with other students in a group at assigned stations in lab.

Feel free to bring your laptops or other technology tools that you use to take notes or manage your information, but use them respectfully. Respect your instructor and your fellow students by:

- Turning your cell phones or other potentially noise-making gadgets to silent or vibrate.
- Leaving the classroom to take important calls rather than carrying on a conversation in class.
- Refraining from surfing the Web and chatting on your laptops during class. You may think you are being subtle but chances are that other people are noticing and are being distracted.
- Not talking among yourselves when the instructor or a fellow student is addressing the class. It is unprofessional and will not gain you any esteem in the eyes of the instructor or your fellow students, who are your future colleagues.

## Tips (based on research):

- Don't just sit there when watch the lectures, take notes.
- Ask questions on the discussion site when you do not understand.
- Read the chapters in your text.
- Review your notes daily. The experts say that in order to master course content you need to spend 2-3 hours of study for every hour you are in class.
- Check Blackboard often and use the resources provided.
- Check your ace mail daily.

## Course Etiquette:

Informal class participation is welcome. Please do not make comments that are off the subject or that impede the progress of the class.

## Disability Accommodations:

The Americans with Disabilities Act (ADA) is a federal non-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this law requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you

believe you have a disability requiring an accommodation, please contact the Office of Student Life in UC room 126, or call (903)223-3116. For additional information visit <http://www.tamut.edu/Academics/Student-Support/Disability-Services/index.html> .

## **University policies on Academic Integrity, A&M-Texarkana Email Address, and the Drop Policy**

**Academic Integrity:** Academic honesty is expected of students enrolled in this course. Cheating on examinations, unauthorized collaboration, falsification of research data, plagiarism, and undocumented use of materials from any source constitute academic dishonesty and may be grounds for a grade of 'F' in the course and/or disciplinary actions. For additional information, see the university catalog.

**A&M-Texarkana Email Address:** Upon application to Texas A&M University-Texarkana an individual will be assigned an A&M-Texarkana email account. This email account will be used to deliver official university correspondence. Each individual is responsible for information sent and received via the university email account and is expected to check the official A&M-Texarkana email account on a frequent and consistent basis.

**Drop Policy:** To drop this course after the census date, a student must complete a Drop/Withdrawal Request Form, located on the University Registrar's webpage or obtained in the Registrar's Office. The student must submit the signed and completed form to the instructor of each course indicated on the form to be dropped for his/her signature. The signature is not an "approval" to drop, but rather confirmation that the student has discussed the drop/withdrawal with the faculty member. The form must be submitted to the Registrar's office for processing in person, email [Registrar@tamut.edu](mailto:Registrar@tamut.edu), mail (7101 University Ave., Texarkana, TX 75503) or fax (903-223-3140). Drop/withdraw forms missing any of the required information will not be accepted by the Registrar's Office for processing. It is the student's responsibility to ensure that the form is completed properly before submission. If a student stops participating in class (attending and submitting assignments) but does not complete and submit the drop/withdrawal form, a final grade based on work completed as outlined in the syllabus will be assigned.

### **Honor Code:**

Texas A&M University-Texarkana expects high standards that include academic honesty, personal integrity, and ethical, academic behavior of all its students. Reverence, relentless curiosity, and a willingness to participate are essential qualities of an emerging scholar, and the university encourages these qualities. A student's personal integrity, ethical behavior, and sense of honor contribute to a respectful and positive academic climate allowing all students to develop as scholars and reach their greatest academic potential. Since students are responsible for maintaining an academic climate based on trust and respect, they should report any activity threatening a climate conducive to learning to an instructor or administrator.

## Other University Policies:

**Class Participation:** Students are responsible for beginning their participation on the FIRST CLASS DAY by logging on and completing assignments according to the COURSE CALENDAR. Failure to submit online assignments between the first day of classes and the University census date (according to the University schedule) will result in an ADMINISTRATIVE DROP from the course.

**Students with federal loans and/or grants:** Students who have federal loans and grants must be aware that participation is monitored in online courses. In the event a student withdraws from a course the student will be required to refund all federal funds prorated from the last date of participation. A student's last access to Blackboard would not suffice as participation. The required weekly activity could include a comment to a blog, a discussion board posting, a journal entry, a quiz or exam, a submitted assignment, or other measurable and tracked activity.

## Student Technical Assistance:

Solutions to common problems and FAQ's for your web-enhanced and online courses are found on the [Online Student Training](#) page on our website.

If you cannot find your resolution there, you can submit a support request by contacting the IT Service Desk:

- Email: [isite@tamut.edu](mailto:isite@tamut.edu)
- Phone: 903-334-6603
- Submit a [Support Request](#)

Additional student help for Blackboard can be found here:

[Blackboard Help for Students](#)

Technical Requirements:

The following are the minimum computer requirements for online learning:

- A computer capable of handling streaming video. A mid-range multi-core CPU should be adequate.
- A sound card.
- A high-speed internet connection preferably directly connected to the computer via a hard-wired Ethernet connection rather than wirelessly connected.
- Virus and adware protection software.
- Microsoft Word, minimum version 2007 or above.
- [Mozilla Firefox](#) browser available free.
- The most recent versions of Java, Flash, QuickTime, Adobe Reader, and Shockwave. You can check this in the Firefox browser by visiting:

[Firefox Plugin Check Tool](#)

Please note: some instructors may require the use of a headset with microphone and/or a webcam. If so, the cost of these items is not included in your course fees and will need to be acquired at your own expense

**The instructor reserves the right to make changes to this syllabus as necessary.**

**Schedule:**

Dates		Week	Content Module	Chapters
27-Aug	2-Sep	1	1	1
3-Sep	9-Sep	2	2	2 & 3
10-Sep	16-Sep	3	3	4
20-Sep		4	Lecture Exam I	
24-Sep	30-Sep	5	4	5
1-Oct	7-Oct	6	5	6 & 7
8-Oct	14-Oct	7	6	8
18-Oct		8	Lecture Exam II	
22-Oct	28-Oct	9	7	9
29-Oct	4-Nov	10	8	10 & 11
5-Nov	11-Nov	11	9	12
15-Nov		12	Lecture Exam III	
19-Nov	25-Nov	13	10	13
26-Nov	2-Dec	14	11	14 & 15
3-Dec	9-Dec	15	12	16
12-Dec		16	Lecture Exam IV	