



Fall 2015

**Biology 2401 – Human Anatomy and Physiology I
Course Syllabus**

Instructor:	Dr. David Allard
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Biology Dept. Webpage	http://www.tamut.edu/~allard/Biology/index.html
Blackboard Site:	http://bb91a.tamut.edu/
Course Description:	Basic human anatomy and physiological principles focusing on the cellular and tissue levels and their integration into the integumentary, skeletal, muscular, and nervous systems.
Required Textbooks/ Resources:	Text • Martini et al. 2015 Fundamentals of Anatomy and Physiology. 10th Edition Benjamin Cummings. ○ 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
Core Curriculum Objectives	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

(CCOs):	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. a. 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. a. 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.
Student Learning Outcomes:	The student will: • Identify the microscopic and gross anatomy of selected organs and systems from laboratory dissection of animal organs and systems, interactive labs, and lab demonstrations. • Demonstrate an understanding of macroscopic and microscopic structure and function of the human body systems. • Demonstrate an understanding of the systems and mechanisms involved in maintaining a state of human health. • Use terminology key to the fields of anatomy and physiology. • 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.
Course Outline:	• Introduction • The Chemical Level of Organization • The Cellular Level of Organization • The Tissue Level of Organization • The Integumentary System • Osseous Tissue and Bone Structure • Case Study # 1 • <u>Exam I</u> • The Axial Skeleton • The Appendicular Skeleton • Articulations

	• Muscle Tissue • Case Study # 2 • <u>Exam II</u> • The Muscular System • Neural Tissue • The Spinal Cord, Spinal Nerves and Spinal Reflexes • The Brain and Cranial Nerves • Neural Integration I: Sensory Pathways and the Somatic Nervous System • Case Study # 3 • <u>Exam III</u>
Methods of Evaluation:	The average of your lecture exams will count as 2/3 of your course grade and the average of the lab exams and case studies will be 1/3. There will be three lecture exams and three lab exams given. The lecture and lab exams and the case studies will each be worth 100 points. The lecture exams will be a combination of essay and multiple choice questions and the lab exams will be practical exams using the lab exercises, specimens and models covered. <u>Note: It is not possible to make up lab practical exams.</u>
Grading Scale:	A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = 0-59%
Student Participation:	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. 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. <u>No cell phones, ipads, computers, etc are to be used in class.</u> Attendance Policy: Attendance is taken promptly at the beginning of class. Students coming in late are counted absent.
Tips (based on research):	• Come to class and pay attention. • Don't just sit there, take notes. • Ask questions 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.
Disability Accommodations:	Students with disabilities may request reasonable accommodations through the A&M-Texarkana Disability Services Office by calling 903-223-3062.

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.
Drop Policy:	Beginning with the first class day of the semester, faculty should report to the Registrar's Office via the preliminary class roster and/or email communication, by a date established by the Registrar's Office, any student who is not attending their class or who has not logged into Blackboard for an online class. Faculty members shall automatically initiate an administrative drop for any student who has not been in attendance (face to face class) or has not reported in (web or web enhanced class) by the due date of the preliminary class roster as established by the Registrar's Office. The Registrar's Office will notify students by certified mail and/or email that the instructor has initiated the drop process and will instruct them to contact the instructor immediately. If the instructor does not rescind the request in writing within seven (7) days of documentable receipt of the notification, the Registrar's Office will drop the student from the class. Faculty who fail to submit an administrative drop by the established deadline, should record the grade earned by the student at the end of the semester. Faculty submitting a grade of F for a student will be required to enter the last date of attendance during the grading cycle. Subsequent to the census date final roster, all drops during the semester must be student initiated.
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. Faculty and students are required to utilize the university email account when communicating about coursework.
Student Technical Assistance:	- Solutions to common problems and FAQ's for your web-enhanced and online courses are found at this link: http://www.tamut.edu/webcourses/index.php?pageid=37 - If you cannot find your resolution there, you can send in a support request detailing your specific problem here: http://www.tamut.edu/webcourses/gethelp2.php

- Blackboard Helpdesk contacts:

Office hours are: Monday - Friday, 8:00a to 5:00p

Julia Allen (main contact) 903-223-3154

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Frank Miller (alternate) 903-223-3156

frank.miller@tamut.edu

Nikki Thomson (alternate) 903-223-3083

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Minimum Windows PC Requirements:

- Pentium IV 1.5GHz+ (preferred: Core Duo)
- 1 GB RAM minimum (preferred: 2 GB)
- 128MB Video Card minimum - Sound Card is required for some courses
- 56K modem minimum (Cable or DSL required for some courses)
- Windows 2000, XP, Vista or 7
- Web browser (Internet Explorer 7.0+; Firefox 3.0+)
- Microsoft Word, minimum Office 97

Some courses will need plug-ins such as Flash player 10 +, QuickTime player 7.0+, Adobe Reader 9.0+, Java Runtime Environment (Java 1.6.0_15), Windows Media Player 10+, RealPlayer, and Macromedia/Adobe Shockwave.

Some online courses may also require a CD ROM (8x minimum, higher recommended)

Blackboard has certified the following browsers for computers running Windows Operating Systems:

- Internet Explorer 8 or 9 (IE is not supported on Windows XP)
- Mozilla Firefox 3.6+
- Google Chrome

Minimum Apple Macintosh Requirements:

- Intel Core 2.0GHz+

- 1 GB RAM (preferred: 2 GB)
- 128MB Video Card minimum - Sound Card is required for some courses
- 56K modem minimum (Cable or DSL required for some courses)
- Web browser (Firefox 3.0+ ; Safari 3.0+)
- Microsoft Word, minimum Office 97

Some courses will need plug-ins such as Flash player 10+, QuickTime player 7.0+, Adobe Reader 9.0+, Java Runtime Environment, RealPlayer, and Macromedia/Adobe Shockwave.

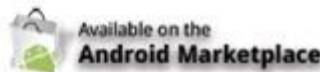
Some online courses may also require a CD ROM (8x minimum, higher recommended)

Blackboard has certified the following browsers for computers running Macintosh Operating Systems:

- Mac OS 10.2 (Jaguar): (Safari 1 is compatible)
- Mac OS 10.3 (Panther): Safari 1.2 (Firefox 1.5 is compatible)
- Mac OS 10.4 (Tiger): Safari 2 and Firefox 1.5
- Mac OS 10.5 (Leopard): (Firefox 2.0 is compatible)

I-OS and Android Devices

These devices are currently supported using the Blackboard Mobile App, available for free from your App Store or scan the code below:



To access Texas A&M University - Texarkana, there is an individual license fee of \$1.99 per year or \$5.99 lifetime. This fee gives you access to the university from all your (same platform) devices; it is

	not necessary to pay the fee for each device you own.
Student Technical Assistance:	• Solutions to common problems and FAQ's for your web-enhanced and online courses are found at this link: http://www.tamut.edu/webcourses/index.php?pageid=37 • If you cannot find your resolution there, you can send in a support request detailing your specific problem here: http://www.tamut.edu/webcourses/gethelp2.php • Blackboard Helpdesk contacts: Office hours are: Monday - Friday, 8:00a to 5:00p Julia Allen (main contact) 903-223-3154 julia.allen@tamut.edu Frank Miller (alternate) 903-223-3156 frank.miller@tamut.edu Nikki Thomson (alternate) 903-223-3083 nikki.thomson@tamut.edu
<u>The instructor reserves the right to make changes to this syllabus as necessary.</u>	