

# HUMAN ANATOMY & PHYSIOLOGY I [BIOL 2457] Section 001

SPRING, 2008

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**Office Hours:** MW 2:00-3:30 pm

**Course Number, Section Number, and Course Title:** BIOL2457- 001 Human Anatomy & Physiology I

**Time and Place of Class Meetings:** MWF 1:00 p.m. – 1:50 p.m. Life Science Building 119

**Description of Course Content:** The study of the form and function of the human body. What could be more interesting than you?

**Student Learning Outcomes:** As described in the catalog, the goal of this class is to introduce students to the fundamental elements of human structure and function including cellular physiology, tissue organization, integumentary structure and function, musculoskeletal structure and function, basic neurobiology and organization of the human nervous system, chemical communication and signal transduction pathways (with specific reference to the endocrine system). The emphasis of the lecture portion of the class will be on the physiology and the laboratory will focus on anatomy. This class is recommended for pre-allied health professionals. Preparing prior to the lectures is essential for doing well in this course. At the least familiarize yourself with the material before you attend class.

**Requirements:** Course Prerequisites include Biology 1441 or equivalent (Biol1333 & 1334), and approval of the department. Those students without the minimum prerequisites will not be allowed in the class. This syllabus outlines the critical points of the course, read it and know it.

**Required Textbooks and Other Course Materials:** **LECTURE** – *Fundamentals of Anatomy & Physiology*, F.H. Martini 7<sup>th</sup> edition. The textbook, with CD-ROMs, comes packaged with an *Applications Manual & Atlas*. The affiliated *Study Guide* is separate from the text & manual, and is highly recommended. **LAB** – *Human Anatomy & Physiology Laboratory Manual (pig version)* E.N. Marieb, 8<sup>th</sup> edition. **OPTIONAL**- *Anatomy & Physiology Coloring Workbook*, E.N. Marieb. *ADAM Interactive Anatomy 4.0*. Read your lab syllabus that will be supplied by your lab instructor. You must take an online Lab Tutorial, if you haven't done so. *Consider this syllabus fair game for test questions.*

**Descriptions of major assignments and examinations with due dates:** There will be 1000 total points {100%} for the course as follows:

3 Lecture Exams .....	390 pts	{39%}	2/13; 3/24; 4/25
1 Comprehensive Final.....	260 pts	{26%}	5/5
Total lab grade.....	350 pts	{35%}	

*(In order to figure your grade, just multiply your projected averages by the above percentages then add)*

<b>Grading Policy:</b>	<u>Points</u>	<u>Percentages</u>	<u>Grade</u>
	895-1000	89.5-100	A
	795-894	79.5-89.4	B
	695-794	69.5-79.4	C
	595-684	59.5-68.4	D
	000-594	0-59.4	F

**Exams** will be given at the scheduled date and time unless otherwise announced in class. All exams require a Scantron form #882-ES, a #2 pencil, a Student MAV card, or other photo ID. Those who arrive late for a test will not be allowed to take it without a legitimate excuse. No notes, cell phones/cameras, or earpieces are allowed during exams. All scheduled exams must be taken, or the grade for that test will count as a zero. Exam results and answer keys may be reviewed (*not copied or photographed*) during regular office hours or by appointment up to one week after the exam has been taken. After that time the exam files will be closed. You must arrive on the hour of the posted office time to review an exam. The comprehensive Final Exam is not optional. Syllabus questions may be on your exams.

**Attendance Policy:** Attendance is required of all students, due to the volume and intensity of the material to be covered in the session. Should you encounter a problem attending class, talk to your instructor ASAP. If you stop attending classes, and fail to withdraw through the registrar, you will receive a failing grade for the course. Student MAV cards or other photo IDs should be on hand at all times. Laboratory Attendance is mandatory on your scheduled days. There will be little chance to make up missed laboratories due to the crowded laboratory schedule, so no unexcused absences will be permitted. If a lab practical is missed, with a justifiably documented excuse, you will receive an incomplete grade (X) for the course until the next semester's practical. This make-up practical must be completed with the next semester class or the grade will automatically convert to a failing one.

## **Important University Policies:**

**Drop Policy:** [See student catalog]

**Americans With Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 - The Rehabilitation Act of 1973 as amended. With the passage of federal legislation entitled *Americans with Disabilities Act (ADA)*, pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens. As a faculty member, I am required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty of their need for accommodation and in providing authorized documentation through designated administrative channels. Information regarding specific diagnostic criteria and policies for obtaining academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability). Also, you may visit the Office for Students with Disabilities in room 102 of University Hall or call them at (817) 272-3364

**Academic Integrity:** It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (*Regents' Rules and Regulations, Series 50101, Section 2.2*)

**Student Support Services Available:** The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabi. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

**Drop for non-payment of tuition:** Payment must be received by the term due date of January 9, 2008 or your registration will be cancelled. If your registration is cancelled for non-payment, you may reregister for classes but only if seats are available.

**Bomb Threats:** If anyone is tempted to call in a bomb threat, be aware that UTA will attempt to trace the phone call and prosecute all responsible parties. Every effort will be made to avoid cancellation of presentations/tests caused by bomb threats. Unannounced alternate sites will be available for these classes. Your instructor will make you aware of alternate class sites in the event that your classroom is not available. The University of Texas at Arlington has adopted the University email address as an official means of communication with students. Through the use of email, UT-Arlington is able to provide students with relevant and timely information, designed to facilitate student success. In particular, important information concerning registration, financial aid, payment of bills, and graduation may be sent to students through email.

**After Hours Safety Escort:** The Sam Mav Escort service provides a service to assist students, faculty, staff and campus visitors to reach their destinations after regular business hours. The hours of service are 7:00 p.m. to 1:00 a.m., Sunday through Saturday. 817-272-3381

**MavMail:** All students are assigned an email account and information about activating and using it is available at [www.uta.edu/email](http://www.uta.edu/email). New students (first semester at UTA) are able to activate their email account 24 hours after registering for courses. There is no additional charge to students for using this account, and it remains active as long as a student is enrolled at UT-Arlington. Students are responsible for checking their email regularly.

**Make-up Exam Policy:** There will be **NO** make-up exams given. If you miss an exam for any reason whatsoever you will receive a grade of 0%. Should you have a justifiable documented excuse for missing one exam (*i.e. a signed doctor's note on letter head sent through post explaining reason for your absence, a funeral program with your name listed as a family or friend, or a police report saying you were in an accident, etc. at the time of the exam*) at the discretion of your

instructor, you may possibly replace your missed exam grade with your grade from your comprehensive final exam. This may apply to one exam only.

**Grade Grievance Policy:** [See student catalog]

**Communications:** Common courtesy is common sense. While applicable questions and active participation in lecture are encouraged, interruptions to the learning process are not. Disruptions will not be tolerated and may involve dismissal from the course. Your instructors will be available during posted office hours; otherwise meetings must be scheduled. Please clearly identify yourself and your course when leaving phone or email messages. It is against University policy to email, phone, or otherwise publicize specific grades. Keep record of your collected averages, and thus not bother your instructors to look them up for you.

**Study Tips:** Reading your chapter, working your study guide, CDs, etc. before class is essential for understanding the lecture. Complete the appropriate *Study Guide* exercises, CD Rom presentations and review the chapter before attending the lecture. Use chapter outlines for taking class notes. Study groups may help. Information in this course is garnered from the text and other resources, with guidance from the instructor. Students must use *critical thinking* to show an understanding of the material, and will not simply be spoon-fed rote information to be regurgitated on exams. Although ample memorization will be necessary, knowledge of a subject is not dependent on rote memorization. Students will have to use their own initiative in using individual study skills in order to do well in this course. A primary formula to any successful endeavor includes a right-minded attitude and persistent effort. More on this will be covered in lecture.

**Tentative Lecture/Topic Schedule (Course Content):** The following lecture calendar is a tentative one due to the probability of unforeseen circumstances such as weather, power outages, etc. Any changes in the class lecture schedule will be at the discretion of your instructor, or due to unanticipated conditions, and will be announced in lecture. *No video or audio taping of lectures will be allowed.*

## HAP 2457

DATE		LECTURE TOPIC	CHAPTER
14-Jan		Introduction	1
16-Jan		Introduction & Chemical Organization	1 & 2
18-Jan		Chemical Organization	2
<b>21-Jan</b>		<b>MLK JR. HOLIDAY</b>	
23-Jan		Cellular Organization	3
25-Jan		Cellular Organization	3
28-Jan		Cellular & Tissue Organization	3 & 4
30-Jan		Tissue Organization	4
1-Feb		Tissue Organization	4
4-Feb		Tissue Organization & Integument	4 & 5
6-Feb		Integumentary System	5
8-Feb		Integumentary System	5
11-Feb		Catch-up & Review	1-5
<b>13-Feb</b>	<i>Wednesday</i>	EXAM 1	<b>1 - 5</b>
15-Feb		Osseous Tissue & Skeletal Structure	6
18-Feb		Osseous Tissue & Skeletal Structure	6
20-Feb		The Axial Skeleton	7
22-Feb		Axial & Appendicular Skeleton	7 & 8
25-Feb		Appendicular Skeleton & Articulations	8 & 9
27-Feb		Articulations	9
29-Feb		Articulations & Muscle Tissue	9 & 10
3-March		Muscle Tissue	10
5-March		Muscle Tissue	10
7-March	<i>midterm</i>	Muscle Tissue	10
10-March		The Muscular System	11
12-March		The Muscular System	11
14-March		Catch-up & Review	6-11
<b>17-21-March</b>		<b>SPRING BREAK</b>	

<b>24-March</b>	<i>Monday</i>	EXAM 2		<b>6 - 11</b>
26-March		Neural Tissue		12
28-March	<i>drop deadline</i>	Neural Tissue		12
31-March		Spinal Cord & Spinal Nerves		13
2-April		Spinal Cord & Spinal Nerves		13
4-April		Brain & Cranial Nerves		14
7-April		Brain & Cranial Nerves		14
9-April		Integrative Functions		15
11-April		Integrative Functions		15
14-April		ANS		16
16-April		ANS		16
18-April		ANS & Sensory Function		16 & 17
21-April		Sensory Function		17
23-April		Sensory Function & Review		17
<b>25-April</b>	<i>Friday</i>	EXAM 3		<b>12 - 17</b>
28-April		Final Exam Review		1-17
<b>5-May</b>	<i>Monday</i>	<b>FINAL EXAM (11:00 AM -1:30 PM)</b>		<b>1 - 17</b>