

UNIVERSITY OF TEXAS AT DALLAS

LECTURE SYLLABUS

Fall 2009

COURSE INFORMATION

Course Number/Section	BIOL 3455.501, Lecture
Course Title	Human Anatomy & Physiology I
Days & Time	Monday 4:00 pm-6:45 pm
Classroom	CN 1.120

PROFESSOR CONTACT INFORMATION

Professor	RUBEN D. RAMIREZ, M.D., PH.D.
E-Mail	Ruben.Ramirez@UTDallas.edu
Office	FN3.202
Phone	(972) 883-4172
Emergency Contact Info	FO3.608A, (972) 883-2501
Office Hours	Monday.....3:00pm-3:50pm
Office Hours	Wednesday-.....3:00pm-3:50pm

COURSE DESCRIPTION

Biology 3455, Human Anatomy and Physiology I, is the first of a two-part series designed as a comprehensive examination of the basic principles of human physiology in the context of a detailed examination of human anatomy. The course is designed to give the pre-professional health care student a detailed fundamental background to enable the student to excel in the anatomical and physiological sciences within the professional school curriculum. This first-half study of the structure-function relationship includes a survey of tissue types, osseous histology and structures, skeletal muscle physiology and anatomy, neurophysiology and anatomy and sensory systems. Emphasis will be placed on the anatomy of these systems as outlined in a model-based laboratory setting.

STUDENT LEARNING OUTCOMES

Upon completion of this course the students should be able to do the following:

1. Understand and be conversant with the anatomy of the human body that includes histology, skeletal system, skeletal muscle, and neuroanatomy;

2. Understand and be conversant with the physiology of the human body that includes histology, skeletal system, skeletal muscle and neurophysiology;
3. Be familiar with the operation of these human organ systems and their interactions within the body;
4. Be familiar with the concepts of integration of operation of these human organ systems within the body.

REQUIRED TEXTBOOK AND MATERIALS

Fundamentals of Anatomy and Physiology, eighth edition, by Frederic H. Martini, PhD & Judi L. Nath, PhD (ISBN 0-8053-7298-9).

ASSIGNMENTS AND ACADEMIC CALENDAR

WEEK	DAY	LECTURE TOPICS	CHAPTERS
1	8/24	Course Introduction and Overview An Introduction to Anatomy & Physiology	Chapter 1
2	8/31	The Tissue Level of Organization	Chapter 4
3	9/7	***9/7 Labor Day***	
4	9/14	The Integumentary System	Chapter 5
5	9/21	Osseous Tissue & Bone Structure	Chapter 6
6	9/28	Exam I The Axial Skeleton	Chp 1, 4-6 Chapter 7
7	10/5	The Appendicular Skeleton	Chapter 8
8	10/12	Articulations	Chapter 9
9	10/19	Muscle Tissue; ***10/22 Last Day to Withdraw***	Chapter 10
10	10/26	Exam II The Muscular System	Chp 7-10 Chapter 11
11	11/2	Neural Tissue	Chapter 12
12	11/9	The Spinal Cord, Spinal Nerves, & Spinal Reflexes	Chapter 13
13	11/16	Exam III The Brain & Cranial Nerves	Chp 11-13 Chapter 14
14	11/23	Neural Integration I: Sensory Pathways & the Somatic Nervous System Group Project	Chapter 15
15	11/30	Neural Integration II: The Autonomic Nervous System & Higher-Order Functions ***11/26 – 11/28 Thanksgiving Week***	Chapter 16
16	12/7	Exam IV The Special Senses	Chp 14-16 Chapter 17
17	12/14	Exam Final 12/14, 4:00pm	Comprehensive, Chp 17

NOTE: The professor has the right to change the syllabus at any point during the semester.

GRADING POLICY

1. Grades for the course will be calculated as follows:

Lecture Exams (4)	80%
Group Project	10%
Quizzes	10%

2. Grades are determined based on performance, not on need or effort.
3. I do not curve grades (do not ask, beg, cry or plead).
4. Overall grade: The lecture grade will be integrated with your laboratory grade to determine the final grade for the course (50% lecture and 50% lab).
5. Grading scale:

Grade	Score	Grade	Score
A+	100-97	C+	79-77
A	96-94	C	76-74
A-	93-90	C-	73-70
B+	89-87	D+	69-67
B	86-84	D	66-64
B-	83-80	D-	63-60
		F	59 and below

Final grade will be rounded to the nearest integer (e.g., 89.5 = 90; 89.49 = 89).

COURSE POLICY

1. **Exams:** Five exams will be given during the semester, including a cumulative final exam. Graded exams will not be reviewed in class. Exams will be kept on file in the instructor's office and will be available for review for 1 week, starting the next day after the exam grades are posted in blackboard. The student is responsible for scheduling time to review. All issues regarding exam questions and grades must be resolved within this week. After this week, grades will be considered final.
2. Exam dates will be tentatively as follows: Exam I (9/28) = chapters 1, 4-6; Exam II (10/26) = chapters 7-10; Exam III (11/16) = chapters 11-13; Exam IV (12/7) = chapters 14-16; and comprehensive Final Exam (12/14) = 30% on chapter 17, and 70% on material covered on exam I through exam IV.
3. The lowest-test score out of the 5 exams (4 semester exams and 1 final exam) will be dropped. Note.- Students are required to take all of the semester exams. Students who skip a semester exam will get a "0" in the missing exam and exams will be averaged on all 5 exams.

4. The final exam will be given on Monday 12/14 at 4:00pm. The final exam is comprehensive. The final exam is optional; the final exam can be skipped only if you have taken all 4-semester exams.
5. The structure of the exams will be multiple choice, true/false, and matching questions. You will need a Scantron for all exams. There may be bonus points on all exams.
6. Everything in the textbook is fair game for exams, regardless whether or not it is presented in class.
7. Do not miss exams! (If exams are missed you must be able to verify your reason for missing)
8. Make-up exams are usually not given - if there are circumstances that warrant a make-up the instructor will determine the criteria for such an exam at the appropriate time.
9. Legitimate Reasons to make-up missed exams are as follows: death of an immediate family member and bona fide medical emergencies. These must be presented in writing – no exceptions.
10. **Group project:** A group project will be assigned during the second half of the semester, and will entail a brochure, a list of references, a set of three multiple choice questions (with answers), and an oral presentation on a topic from clinical note sections. I will provide a list of topics from which each group will choose a topic. Each group will present a different topic. Guideline for group project will be provided.

Oral presentations will tentatively be on Monday, 11/23. The group project grade is an individual grade (not a team grade). Note,- All members of the group should be present on the date of the oral presentation and participate in the oral presentation. Students who skip the oral presentation will be penalized by having the total points earned reduced by 30%.

Submit by email your written material (a brochure, a list of references, a set of three multiple choice questions – with answers) along with your PowerPoint presentation (due date/time: 1 week prior to the date of the oral presentation/midnight). Late written material will be accepted up to three days (72 hours) after the due date/time (this includes weekends). Late material submitted within 72 hours of the due date/time will be penalized by having the total points earned reduced by 30% (i.e., maximum grade = 70). Material submitted after 72 hours of the due date/time will not be graded and all members of the group will receive zero (0) on the written material part – absolutely, no exceptions.

11. **Quizzes:** There will be a maximum of 10 unannounced quizzes. The lowest-two-quiz scores will be dropped. There is no make-up for missing quizzes (absolutely no exceptions). A missed quiz will receive a zero (0).
12. **Bonus Points:** Bonus points (maximum 5 points) will be made available during all exams. No bonus/extra points for the final grade.

13. In keeping with the spirit of the Privacy Act, grades and/or grade information will not be given to anyone other than the student and will not be discussed over the phone.

STUDENT CONDUCT & DISCIPLINE

The University of Texas System and The University of Texas at Dallas have rules and regulations for the orderly and efficient conduct of their business. It is the responsibility of each student and each student organization to be knowledgeable about the rules and regulations which govern student conduct and activities. General information on student conduct and discipline is contained in the UTD printed publication, *A to Z Guide*, which is provided to all registered students each academic year.

The University of Texas at Dallas administers student discipline within the procedures of recognized and established due process. Procedures are defined and described in the *Rules and Regulations, Series 50000, Board of Regents, The University of Texas System*, and in Title V, Rules on Student Services and Activities of the university's *Handbook of Operating Procedures*. Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations (SU 1.602, 972/883-6391) and online at <http://www.utdallas.edu/judicialaffairs/UTDJudicialAffairs-HOPV.html>

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey federal, state, and local laws as well as the Regents' Rules, university regulations, and administrative rules. Students are subject to discipline for violating the standards of conduct whether such conduct takes place on or off campus, or whether civil or criminal penalties are also imposed for such conduct.

ACADEMIC INTEGRITY

The faculty expects from its students a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrate a high standard of individual honor in his or her scholastic work.

Scholastic Dishonesty, any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and 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.

Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is unacceptable and will be dealt with under the university's policy on plagiarism

(see general catalog for details). This course will use the resources of turnitin.com, which searches the web for possible plagiarism and is over 90% effective.

EMAIL USE

The University of Texas at Dallas recognizes the value and efficiency of communication between faculty/staff and students through electronic mail. At the same time, email raises some issues concerning security and the identity of each individual in an email exchange. The university encourages all official student email correspondence be sent only to a student's U.T. Dallas email address and that faculty and staff consider email from students official only if it originates from a UTD student account. This allows the university to maintain a high degree of confidence in the identity of all individual corresponding and the security of the transmitted information. UTD furnishes each student with a free email account that is to be used in all communication with university personnel. The Department of Information Resources at U.T. Dallas provides a method for students to have their U.T. Dallas mail forwarded to other accounts.

WITHDRAWAL FROM CLASS

The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, I cannot drop or withdraw any student. You must do the proper paperwork to ensure that you will not receive a final grade of "F" in a course if you choose not to attend the class once you are enrolled.

STUDENT GRIEVANCE PROCEDURES

Procedures for student grievances are found in Title V, Rules on Student Services and Activities, of the university's *Handbook of Operating Procedures*.

In attempting to resolve any student grievance regarding grades, evaluations, or other fulfillments of academic responsibility, it is the obligation of the student first to make a serious effort to resolve the matter with the instructor, supervisor, administrator, or committee with whom the grievance originates (hereafter called "the respondent"). Individual faculty members retain primary responsibility for assigning grades and evaluations. If the matter cannot be resolved at that level the grievance must be submitted in writing to the respondent with a copy of the respondent's School Dean. If the matter is not resolved by the written response provided by the respondent, the student may submit a written appeal to the School Dean. If the grievance is not resolved by the School Dean's decision, the student may make a written appeal to the Dean of Graduate or Undergraduate Education, and the dean will appoint and convene an Academic Appeals Panel. The decision of the Academic Appeals Panel is final. The results of the academic appeals process will be distributed to all involved parties.

Copies of these rules and regulations are available to students in the Office of the Dean of Students, where staff members are available to assist students in interpreting the rules and regulations.

INCOMPLETE GRADE POLICY

As per university policy, incomplete grades will be granted only for work unavoidably missed at the semester's end and only if 70% of the course work has been completed. An incomplete grade must be resolved within eight (8) weeks from the first day of the subsequent long semester. If the required work to complete the course and to remove the incomplete grade is not submitted by the specified deadline, the incomplete grade is changed automatically to a grade of **F**.

DISABILITY SERVICES

The goal of Disability Services is to provide students with disabilities educational opportunities equal to those of their non-disabled peers. Disability Services is located in room 1.610 in the Student Union. Office hours are Monday and Thursday, 8:30 a.m. to 6:30 p.m.; Tuesday and Wednesday, 8:30 a.m. to 7:30 p.m.; and Friday, 8:30 a.m. to 5:30 p.m.

The contact information for the Office of Disability Services is:

The University of Texas at Dallas, SU 22

PO Box 830688

Richardson, Texas 75083-0688

(972) 883-2098 (voice or TTY)

disabilityservice@utdallas.edu

If you anticipate issues related to the format or requirements of this course, please meet with the Coordinator of Disability Services. The Coordinator is available to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Services to notify them of your eligibility for reasonable accommodations. Disability Services can then plan how best to coordinate your accommodations.

It is the student's responsibility to notify his or her professors of the need for such an accommodation. Disability Services provides students with letters to present to faculty members to verify that the student has a disability and needs accommodations. Individuals requiring special accommodation should contact the professor after class or during office hours.

RELIGIOUS HOLY DAYS

The University of Texas at Dallas will excuse a student from class or other required activities for the travel to and observance of a religious holy day for a religion whose places of worship are exempt from property tax under Section 11.20, Tax Code, Texas Code Annotated.

The student is encouraged to notify the instructor or activity sponsor as soon as possible regarding the absence, preferably in advance of the assignment. The student, so excused, will be allowed to take the exam or complete the assignment within a reasonable time after the absence: a period equal to the length of the absence, up to a maximum of one week. A student who notifies the instructor and completes any missed exam or assignment may not be penalized for the absence. A student who fails to complete the exam or assignment within the prescribed period may receive a failing grade for that exam or assignment.

If a student or an instructor disagrees about the nature of the absence [i.e., for the purpose of observing a religious holy day] or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the chief executive officer of the institution, or his or her designee. The chief executive officer or designee must take into account the legislative intent of TEC 51.911(b), and the student and instructor will abide by the decision of the chief executive officer or designee.

These descriptions and timelines are subject to change at the discretion of the Professor.

BIOL 3455
ANATOMY & PHYSIOLOGY I
Fall, 2009

Lab Schedule

<u>Date</u>			<u>Topic</u>	<u>Lab Exercises</u>
<u>Monday</u>	<u>Wednesday</u>	<u>Friday</u>		
August 24	August 26	August 21	Introduction/Histology	Ex. 2,7-10
August 31	Sept 2	August 28	Histology/Skin	Ex. 7-11
Sept 14	Sept 9	Sept 4`	Skeleton I	Ex. 13
Sept 21	Sept 16	Sept 11	Skeleton – Axial	Ex. 14
Sept 28	Sept 23	Sept 18	Skeleton – Appendicular	Ex. 15-16
October 5	Sept 30	Sept 25	<i>Lab Practical 1</i>	Ex. 2, 7-11, 13-16
October 12	October 7	October 2	Head & Neck muscles	Ex. 18
October 19	October 14	October 9	Vertebrae/Abdomen/Pelvis	Ex. 19
October 26	October 21	October 16	Upper Limb	Ex. 20
Nov 2	October 28	October 23	Lower Limb	Ex. 21
Nov 9	Nov 4	October 30	<i>Lab Practical 2</i>	Ex. 18-21
Nov 16	Nov 11	Nov 6	Spinal Cord, Nerves	Ex. 23-24
Nov 23	Nov 18	Nov 13	Brain	Ex. 25
Nov 30	Dec 2	Nov 20	Special Senses	Ex. 28-32
Dec 7	Dec 9	Dec 4	<i>Lab Practical 3</i>	Ex. 23-32

NOTE: The lab sections are full and the lab space limited, so there will be NO switching of lab sections.