

University of North Texas
Department of Biological Sciences
Course syllabus for
Biology 2301 – Human Anatomy and Physiology I

Course Title: Biology 2301 - Human Anatomy and Physiology I

Description- Biology 2301 is the first semester of a two semester sequence in integrated human anatomy and physiology. The first semester emphasizes biological chemistry, cell morphology and membrane physiology, tissues, integumentary system, musculoskeletal system, and nervous system. The underlying theme of the course is the interrelationship between biological form and function. The course is designed to support a range of more advanced courses in the allied health professions. Although there is no prerequisite for this course, some exposure to basic biological concepts, elementary chemical principles, and algebra is essential.

Course Instructors - The instructor of record is **Prof. Glenn Kasparian** (gkasparian@unt.edu or 972-860-4755) and may be reached through the Department of Biological Sciences at 940-565- 2011, where messages may be left. Mail box for the professor is located in the new Biology Building, Life B, near the main advisement office or in room 210, Life A. The instructor will provide students with additional information during the first week of classes.

Learning Objectives- Specific learning objectives will be discussed during lecture and found under **exam reviews** on Blackboard. A general guide to minimum expectations accompanies this syllabus.

Student Learning Outcomes: At the completion of the course the student will be able to:

- 1) State the basic physiological principles of the Cell, the Skin, the Skeletal system, the Muscular system, and the Nervous system.
- 2) Recognize and identify the basic gross and microscopic anatomical structures associated with the Human Tissue, Skin, Skeletal system, Muscular system and Nervous system.
- 3) State the interrelatedness of the major organ systems and how each organ system functions separately and as part of the integrated whole organism to maintain homeostasis.

Required Materials-**

Textbook - Human Anatomy and Physiology, 9th Ed. With *Mastering*. Marieb and Hoehn. Pearson Publishers. 2013.
ISBN 13: 9780321696397

**The required materials including the laboratory manuals are provided in a bundled set under the Biol 2301 course listing at the bookstores. Various study guides and tutorials may also be available. These are not required, but may be helpful.

Activities- Lecture will meet twice weekly for lecture and discussion of the assigned readings, questions about the material, and examinations.

Course Grade- The final grade is based upon the number of points accumulated in lecture as follows:

5 Lecture exams @ 100 points -----500 pts.
Mastering Homework-----100
10 Quizzes -----100

Total 700 points possible**

**** Additional graded homework for credit or extra credit projects may be assigned by the instructor during the semester.**

Letter grades are distributed as a percentage of the total possible points:

A = 90-100%

B = 80- 89%

C = 70- 79%

D = 60- 69%

F = 0- 59%

Missed Exams- The instructor will consider each case individually. Pay close attention to the syllabus and observe the test dates carefully. Changes in test dates will be announced in class. You are responsible for all announcements and other information given in your absence.

Medical excuses will be considered on an individual basis. A medical excuse is exactly that. Namely, an explanation for one's absence from a test or lab exam on official letterhead, (with phone number), with the physician's signature, (not a stamp), showing the date(s) of office visits and/or hospitalization. Only excuses signed by licensed medical practitioners will be considered...NOT notes from chiropractors, physical therapists, nurses, podiatrists, nurse practitioners, physician assistants or other health paraprofessionals. This documentation should be presented upon return to class.

Students on athletic or academic scholarships who miss exams because of required competition will present a letter explaining why the student is absent, the exact dates of the competition, (one day for travel to and from competition will be allowed), the title, phone number, and campus location of the official providing the letter, and certification that the student is required to attend the competition as a condition of his/her tuition, expenses, and/or enrollment at UNT. Absences due to participation in voluntary, (i.e. non-scholarship), extracurricular activities will not be considered.

Failure to provide documented excuses will result in a grade of zero on missed work. In general, documentation will be considered for one instance of missed work. **It is assumed that students have read the class schedule before enrolling and gauged their time commitments accordingly.**

Academic Dishonesty- This is the 'giving or receiving of unauthorized help on a graded assignment'. If you are in doubt about what this means, ask the course instructor. Additional information may be found in various university publications. Instances of dishonesty will result in a automatic course grade of "F" and may carry additional administrative penalties depending on the nature of the offense.

Americans with Disabilities Act- Your instructors will make every attempt to provide reasonable accommodations to persons presenting the proper documentation of disability. Those needing assistance should go to the Office of Disabilities Accommodation in the Student Union Building. Documentation of need in the classroom or lab should be presented to the instructor as early as possible.

Biol 2301/ Fall 2014 – Kasparian, section 001

Week	Date Week of:	Lecture Topic/Chapter	
1	8/25 (first class on 8/26)	1st lecture on 8/26 Body Org & Chem (1, 2)	
2	9/1	Cell Morph and Phys (3)	
3	9/8	Cell Phys and Tissue (3, 4)	
4	9/15	Exam 1 Integument (5)	
5	9/22	Bone Tissue and Physiology (6)	
6	9/29	Skeletal Sys & Artic (7, 8)	
7	10/6	Exam 2 Muscle Tissue (9)	
8	10/13	Muscle Physiology (9) Muscle Functional Groups (10)	
9	10/20	Exam 3 Nervous Sys , Neurophysiology (11)	
10	10/27	Central N.S. (12)	
11	11/3	Central Nervous System (12)	
12	11/10	Exam 4 Peripheral NS (13)	
13	11/17	Autonomic NS (14)	
14	11/24	Special Senses (15)	
15	12/1	Special Senses (15)	
16	12/8	Exam 5-FINAL EXAM WEEK / Consult published schedule of exam times.	

Exam 1 – ch 1-4

Exam 2 – ch 5, 6, 8

Exam 3 – ch 9, 10

Exam 4 – ch 11, 12

Exam 5 – ch 13 - 15

Thanksgiving Holiday – Nov. 27-30

Desiderata-

1. Attend class regularly. **Check the Course Blackboard website frequently for updates, changes, announcements, assignments and grades.**
2. Turn off all telecommunications gear when in class or set it to silent notification. Do not talk on cell phones during class. Operation of a cell phone during an exam will be considered an act of academic dishonesty, i.e. an attempt to receive or give unauthorized information (see above).
3. Be on time. Occasional lateness is understandable. Attendance will be recorded for each class. The instructor reserves the right to drop individuals for poor attendance, (i.e. attendance habits that will not support progress in the course). The same goes for chronic lateness.
4. Try to study in groups.
5. Careful reading of assigned material is the single most important predictor of success. If you are unclear about material you've read, ask the instructor. One reading of assignments is not enough.
6. **CONCERNING EXAMS**
 - **The specific dates for exams may vary from the syllabus. Changes will be announced, and you are liable for this information.**

