

University of North Texas at Dallas

Fall 2016 SYLLABUS

BIOL2301: Anatomy and Physiology I : 3Hrs

Department of	Health and Life Sciences	Division of	Liberal Arts and Sciences
Instructor Name:	Dr. Aubrey Frantz		
Office Location:	Room 251, Building 2		
Office Phone:	972-338-1523		
Email Address:	aubrey.frantz@untdallas.edu		
Office Hours:	Monday, Tuesday and Thursday: 1:00 – 2:30pm Wednesday: 10:30 – 11:30am (If you need another time, please contact me by email)		
Classroom Location:	Founders Hall DAL2 240		
Class Meeting Days & Times:	TR Lecture 2:30-3:50 W Lab 1:00-3:50		
Course Catalog Description:	BIOL 2301 Functional anatomy and physiology of the human body including biological chemistry, cell morphology, membrane and tissue physiology, musculoskeletal system and the nervous system. For kinesiology, dance majors and allied health students.		
Prerequisites:	None		
Co-requisites:	BIOL 2311 Laboratory		
Required Text:	Human Anatomy and Physiology, 9th Ed. Marieb and Hoehn. Pearson Publishers. 2013. ISBN 13: 9780321696397		
Lab Manual	Human Anatomy & Physiology Laboratory Manual, 11th Ed. Marieb and Mitchell. Pearson Publishers. 2013. ISBN: 9780321831569		
Access to Learning Resources:	UNT Dallas Library: phone: (972) 780-3625; web: http://www.unt.edu/unt-dallas/library.htm UNT Dallas Bookstore: phone: (972) 780-3652;		
Course Goals or Overview:			
	The goal of this course is to provide the student with a broad understanding of the structure and function of the human body.		
Learning Objectives/Outcomes: At the end of this course, the student will			
1	Be able to explain the basic physiological principles of the cell, the skin, the skeletal system, the muscular system and the nervous system		
2	Demonstrate the ability to understanding of the interrelatedness of the major organ systems and how each organ system functions separately and as a part of the integrated whole organism to maintain homeostasis		
3	Define the levels of structural organization of the human body and explain how these structures are intimately related to their functions		
4	Identify the basic gross and microscopic anatomical structures associated with the human tissue, skin, skeletal system, muscular system and nervous system		

Course Outline

This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by the instructor in class.

TOPICS	TIMELINE
Course Introduction and Overview (Chapter 1)	8/23
Body Organization (Chapter 1)	8/25
Chemistry of the Body (Chapter 2)	8/30
Cell Morphology (Chapter 3)	9/1
Cell Morphology (Chapter 3)	9/6
Tissues (Chapter 4)	9/8
Tissues (Chapter 4)	9/13
Exam I (Chapters 1-4)	9/15
Integumentary System (Chapter 5)	9/20
Integumentary System (Chapter 5)	9/22
Bone Tissue (Chapter 6)	9/27
Bone Physiology (Chapter 6)	9/29
The Skeletal System (Chapter 7)	10/4
The Axial Skeleton (Chapter 7)	10/6
The Appendicular Skeleton (Chapter 7)	10/11
Exam II (Chapters 5-7)	10/13
Joints (Chapter 8)	10/18
Joints (Chapter 8)	10/20
Muscle Tissue (Chapters 9)	10/25
Muscle Physiology (Chapter 9)	10/27
Muscle Physiology (Chapter 9)	11/1
The Muscular System (Chapter 10)	11/3
The Muscular System (Chapter 10)	11/8
Exam III (Chapters 8-10)	11/10
Nervous System (Chapters 11)	11/15
Neurophysiology (Chapter 11)	11/17
Central Nervous System (Chapter 12)	11/22
THANKSGIVING BREAK	11/24
Central Nervous System (Chapter 12)	11/29
Peripheral and Autonomic Nervous system Overview	12/1
No Classes – Reading Day	12/6
Final Exam IV (Chapters 11-12)	12/7

Course Evaluation Methods

This course will utilize the following instruments to determine student grades and proficiency of the learning outcomes for the course.

Exams – written tests designed to measure knowledge of presented course material – You will be given four in-class exams. Each exam is worth 100 points (20% of your final grade). The exams will consist of a combination of multiple choice, labeling and short answer questions. Attendance is required for all exams. Any student found cheating on any exam will receive a zero for that exam and may face disciplinary action(s). **Note: 882-E scantrons and pencils are required for every exam.**

Reading Quizzes and In-class Assignments – short, 5 point quizzes will be given at the beginning of class. Quizzes will cover the text book material assigned for that class session and/or previous class material. You will have approximately 10 minutes to complete the quiz. There are no make-up quizzes if you are late to class. Additional in-class assignments will be administered and graded.

“Stopwatch Science” - extra credit opportunity. You may choose a recent (2016) scientific journal article and spend one minute in front of the class discussing the significance of the article and one additional minute discussing how the article relates to the current course material. You will need to turn in a copy (hard or electronic) of the article to the instructor prior to the discussion. This assignment is worth up to 5 extra credit points. You may present once per unit (4 times during the semester).

Grading Matrix:

Instrument	Value (points)
Exam 1	100
Exam 2	100
Exam 3	100
Exam 4	100
Reading Quizzes	100
Total:	500

University Policies and Procedures

Students with Disabilities (ADA Compliance):

The University of North Texas Dallas faculty is committed to complying with the Americans with Disabilities Act (ADA). Students' with documented disabilities are responsible for informing faculty of their needs for reasonable accommodations and providing written authorized documentation. Grades assigned before an accommodation is provided will not be changed as accommodations are not retroactive. For more information, you may visit the Student Life Office, Suite 200, Building 2 or call Laura Smith at 972-780-3632.

Student Evaluation of Teaching Effectiveness Policy:

The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

Exam Policy:

Exams should be taken as scheduled. No makeup examinations will be allowed except for documented emergencies (See Student Handbook).

Academic Integrity:

Academic integrity is a hallmark of higher education. You are expected to abide by the University's code of Academic Integrity policy. Any person suspected of academic dishonesty (i.e., cheating or plagiarism) will be handled in accordance with the University's policies and procedures. Refer to the Student Code of Academic Integrity at http://www.unt.edu/unt-dallas/policies/Chapter%2007%20Student%20Affairs,%20Education,%20and%20Funding/7.002%20Code%20of%20Academic_Integrity.pdf for complete provisions of this code.

Bad Weather Policy:

On those days that present severe weather and driving conditions, a decision may be made to close the campus. In case of inclement weather, call UNT Dallas Campuses main voicemail number (972) 780-3600 or search postings on the campus website www.unt.edu/dallas. Students are encouraged to update their Eagle Alert contact information, so they will receive this information automatically.

Attendance and Participation Policy:

The University attendance policy is in effect for this course. Class attendance and participation is expected because the class is designed as a shared learning experience and because essential information not in the textbook will be discussed in class. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Attendance and participation in all class meetings is essential to the integration

of course material and your ability to demonstrate proficiency. Students are responsible to notify the instructor if they are missing class and for what reason. Students are also responsible to make up any work covered in class. It is recommended that each student coordinate with a student colleague to obtain a copy of the class notes, if they are absent.