

University of North Texas at Dallas
Spring 2014
SYLLABUS

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|---|--|--------------------|---------------------------|
| Course Abbreviation/Number/Title/Semester Hrs BIOL2302: Anatomy and Physiology II : 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@unt.edu | | |
| Office Hours: | Tuesday 1:00-2:00 Wednesday 12:00-1:00 Thursday 1:00-2:00 (If you need another time, please contact me) | | |
| Classroom Location: | Founders Hall 241 | | |
| Class Meeting Days & Times: | TR Lecture 2:30-3:50 | | |
| Course Catalog Description: | BIOL 2302 Functional anatomy and physiology of the human body including the endocrine, digestive, respiratory, cardiovascular, urinary and reproductive systems. For kinesiology, dance majors and allied health students. | | |
| Prerequisites: | BIOL 2301 and 2311 | | |
| Co-requisites: | BIOL 2312 Laboratory | | |
| Required Text: | <u>Human Anatomy and Physiology, 9th Ed.</u> Marieb and Hoehn. Pearson Publishers. 2013. ISBN 13: 9780321696397 | | |
| Lab Manual | <u>Human Anatomy & Physiology Laboratory Manual, 9th Ed.</u> Marieb and Mitchell. Pearson Publishers. 2013. | | |
| 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; e-mail: 1012mgr@fhcg.follett.com | | |
| 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 endocrine, cardiovascular, lymphatic, digestive, urinary and reproductive systems | | |
| 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 endocrine, cardiovascular, lymphatic, digestive, urinary and reproductive systems. | | |
| 5 | Explain the physiological and anatomical mechanisms of common dysfunction | | |

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 & The Endocrine System (Chapter 16) | 1/14 |
| The Endocrine System (Chapter 16) | 1/16 |
| The Endocrine System (Chapter 16) | 1/21 |
| Blood (Chapter 17) | 1/23 |
| Blood (Chapter 17) | 1/28 |
| The Cardiovascular System: The Heart (Chapter 18) | 1/33 |
| The Cardiovascular System: The Heart and Blood Vessels (Chapter 18 &19) | 2/4 |
| The Cardiovascular System: Blood Vessels (Chapter 19) | 2/6 |
| Exam I (Chapters 16-19) | 2/11 |
| The Lymphatic System and Lymphoid Organs and Tissue (Chapter 20) | 2/13 |
| The Lymphatic System and Lymphoid Organs and Tissue (Chapter 20) | 2/18 |
| The Immune System: Innate Immunity (Chapter 21) | 2/20 |
| The Immune System: Adaptive Immunity (Chapter 21) | 2/25 |
| The Respiratory System (Chapter 22) | 2/27 |
| The Respiratory System (Chapter 22) | 3/4 |
| Exam II (Chapters 20-22) | 3/6 |
| <i>Spring Break</i> | 3/10-3/16 |
| The Digestive System (Chapter 23) | 3/18 |
| The Digestive System (Chapter 23) | 3/20 |
| The Digestive System, Nutrition and Metabolism (Chapter 23 & 24) | 3/25 |
| Nutrition, Metabolism and Body Temperature Regulation (Chapter 24) | 3/27 |
| The Urinary System (Chapter 25) | 4/1 |
| The Urinary System (Chapter 25) | 4/3 |
| The Urinary System, Fluid, Electrolyte and Acid-Base Balance (Chapter 25 & 26) | 4/8 |
| Exam III Chapters (23-26) | 4/10 |
| The Reproductive System (Chapter 27) | 4/15 |
| The Reproductive System (Chapter 27) | 4/17 |
| The Reproductive System (Chapter 27) | 4/22 |
| Pregnancy and Human Development (Chapter 28) | 4/24 |
| Pregnancy and Human Development (Chapter 28) | 4/29 |
| Heredity (Chapter 29) | 5/1 |
| Exam IV (Chapters 27-29) | 5/6 |

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 (25% 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).

Grading Matrix:

| Instrument | Value (points or percentages) |
|---------------|-------------------------------|
| Exam 1 | 100 |
| Exam 2 | 100 |
| Exam 3 | 100 |
| Exam 4 | 100 |
| Total: | 400 |

Grade Determination:

A = 90% or better

B = 80 – 89 %

C = 70 – 79 %

D = 60 – 69 %

F = less than 60%

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.

In addition, all academic work submitted for this class, including exams, papers, and written assignments should include the following statement:

On my honor, I have not given, nor received, nor witnessed any unauthorized assistance that violates the UNTD Academic Integrity Policy.

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.