# BIOL2312: Anatomy and Physiology II Laboratory : 1Hrs

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<thead>
<tr>
<th>Department of</th>
<th>Health and Life Sciences</th>
<th>Division of</th>
<th>Liberal Arts and Sciences</th>
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</thead>
<tbody>
<tr>
<td>Instructor Name:</td>
<td>Dr. Aubrey Frantz</td>
<td>Office Location:</td>
<td>Room 251, Building 2</td>
</tr>
<tr>
<td>Office Phone:</td>
<td>972-338-1523</td>
<td>Email Address:</td>
<td><a href="mailto:aubrey.frantz@untdallas.edu">aubrey.frantz@untdallas.edu</a></td>
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<tr>
<td>Office Hours:</td>
<td>Monday and Thursday 1:00-3:00 pm</td>
<td>Tuesday and Thursday 10:30-11:30 am</td>
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<tr>
<td>Classroom Location:</td>
<td>Dal2 room 256</td>
<td>Class Meeting Days &amp; Times:</td>
<td>Tuesdays 1:00-3:50</td>
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**Course Catalog Description:** Human Anatomy and Physiology II Laboratory. 1 hour. Laboratory studies examining the 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. May be used to complete a portion of the Natural Sciences requirements of the University Core Curriculum.

**Prerequisites:** BIOL2301 and BIOL2311

**Co-requisites:** BIOL2302


**Access to Learning Resources:**
- UNT Dallas Library: phone: (972) 780-3625; web: [http://www.unt.edu/unt-dallas/library.htm](http://www.unt.edu/unt-dallas/library.htm)
- UNT Dallas Bookstore: phone: (972) 780-3652; e-mail: 1012mgr@fheg.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:**
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.
**Course Outline**
This schedule is subject to change by the instructor. Any changes to this schedule will be communicated by the instructor in class.

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<tr>
<th>TIMELINE</th>
<th>Exercises</th>
</tr>
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<tbody>
<tr>
<td>1/21</td>
<td>No Lab</td>
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</table>
| 1/26     | Course Introduction & Lab Safety  
27: Functional Anatomy of the Endocrine Glands  
Endocrine System Review |
| 2/2      | 29: Blood  
Blood Review |
| 2/9      | 30: Anatomy of the Heart  
32: Anatomy of Blood Vessels  
33: Human Cardiovascular Physiology *(selected activities)*  
Cardiovascular System Review |
| 2/16     | No Lab    |
| 2/23     | 35: The Lymphatic System and Immune Response  
Lymphatic System Review |
| 3/1      | 36: Anatomy of the Respiratory System  
37: Respiratory System Physiology  
Respiratory System Review |
| 3/8      | Open Lab – Exam I Review |
| 3/14-3/20| SPRING BREAK |
| 3/22     | EXAM I    |
| 3/29     | 38: Digestive System  
39: Chemical and Physical Processes of Digestion  
Digestive System Review |
| 4/5      | 40: Anatomy of the Urinary System  
41: Urinalysis  
Urinary System Review |
| 4/12     | Open Lab  |
| 4/19     | 42: Anatomy of the Reproductive System  
43: Physiology of Reproduction  
Reproductive System Review |
| 4/26     | 44: Survey of Embryonic Development  
45: Principles of Heredity  
Exam II Review |
| 5/3      | EXAM II   |

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

- **Lab Exams** – There will be two lab exams, each worth 100 points. Attendance is required for all exams. **No make-up exams will be given except for documented emergencies.** Any student found cheating on any exam will receive a zero for that exam and may face disciplinary action(s).

- **Review Sheets** - Review sheets corresponding to the laboratory exercises are due at the beginning of the class period. **Late assignments will be graded, but with a penalty of 10% each day it is late.**

- **Pre-Lab Quizzes** - pre-lab quizzes (10 points/quiz) will be administered at the instructor’s discretion. The quizzes will cover that day’s laboratory activities. Your 5 highest quiz grades will be counted. You will have approximately 10 minutes to complete these quizzes. **There are no make-up quizzes if you are late to class.**
Anatomy and Physiology Reviews – Students will participate in our own version of Anatomy and Physiology Lab Jeopardy. This activity will be used for review purposes and will provide students the opportunity to earn bonus points.

Attendance – attendance is required for all laboratory session. No make-up laboratory activities or assignments will be given or accepted, except for documented excused absences.

| Grading Matrix: |
|-----------------|----------------|
| Instrument      | Value (points) |
| Exam I          | 100            |
| Exam II         | 100            |
| Review Sheets   | 250            |
| Quizzes         | 50             |
| Total           | 500            |

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 [link](http://www.unt.edu/unt-dallas/policies/Chapter%2007%20Student%20Affairs%20Education%20and%20Funding/7.002%20Code%20of%20Academic%20Integrity.pdf) for complete provisions of this code.

Attendance and Participation Policy:
The University attendance policy is in effect for this course. Class attendance and participation is required for this laboratory course. The dynamic and intensive nature of this course makes it impossible for students to make-up or to receive credit for missed classes. Students who miss 2 or more laboratory sessions are in danger of failing this course. 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.