University of North Texas at Dallas
Summer 2025 5W1
SYLLABUS

BIOL2301-0071: Anatomy and Physiology I: 3Hrs			
Department of	**Health and Life Sciences**	**Division of**	**Liberal Arts and Sciences**
Instructor Name:	Dr. Aubrey Frantz		
Office Location:	DAL 2 room 251		
Email Address:	*aubrey.frantz@untdallas.edu*		
Office Hours:	**Virtual hours:** I will respond to all emails within 24 hours. Emails sent between 8:00am – 5:00pm Monday – Friday will receive a quick reply. *If you would like to schedule a virtual meeting via Zoom, please send me an email to make an appointment*		
Classroom Location:	**Online**		
Class Meeting Days & Times:	**Online**		
Course Catalog Description:	**BIOL 2301** Functional anatomy and physiology of the human body including biological chemistry, cell morphology, membrane, and tissue physiology, as well as the muscular, skeletal, and nervous system.		
Prerequisites:	None		
Co-requisites:	**BIOL 2311 Laboratory**		
Required Text:	Mastering A&P with Pearson eText -- Standalone Access Card -- for Human Anatomy & Physiology (11th Edition) **ISBN 9780134763408**		

Access to Learning Resources:	**UNT Dallas Library:** phone: (972) 780-1616 web: http://www.untdallas.edu/library email: library@untdallas.edu **UNT Dallas Bookstore:** phone: (972) 780-3652 web: http://www.untdallas.edu/bookstore e-mail: untdallas@bkstr.com
Supported Browsers: Chrome 67 & 68 Firefox 60 & 61 Flash 29, 30 (for audio/video) Respondus Lockdown Browser Safari 10, 11 **Supported Devices:** iPhone Android Chromebook *(Tablet users can use the Canvas app)* **Screen Readers:** VoiceOver (Safari) JAWS (Internet Explorer)	**Getting Help with Canvas:** **Canvas 24/7 Phone Support for Students: 1-833-668-8634** **Canvas Help Resources:** **Web:** Canvas Student Guide **For additional assistance, contact Student Assistance (Distance Learning):** Founders Hall, Rm 124 phone: (972)338-5580 email: distancelearning@untdallas.edu ***If you are working with Canvas 24/7 Support to resolve a technical issue, make sure to keep me updated on the troubleshooting progress.***

NVDA (Firefox) *Note: There is no screen reader support for Canvas in Chrome*	***If you have a course-related issue (course content, assignment troubles, quiz difficulties) please contact me by email.***

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	Explain the basic physiological principles of the cell, the skin, the skeletal system, the muscular system, and the nervous system
2	Demonstrate an 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 via **Announcements on Canvas**.

TOPICS	TIMELINE
Week 1	**6/9 – 6/15**
Enroll in Mastering A&P section **Mastering Assignment:** Introduction to Mastering A&P (*1 point extra credit*)	Due by **11:59 pm on WEDNESDAY June 11th**
Introduction Discussion Board (50 points)	Due by **11:59 pm on WEDNESDAY June 11th**
Organization of the Body (Chapter 1) **Mastering Assignment:** Chapter 1 Dynamic Study Module 1 Chapter 1 Dynamic Study Module 2 Chapter 1 Dynamic Study Module 3 **Chapter 1 Test**	All assignments are **due by 11:59 on SUNDAY June 15th**
A&P Chemistry Review Tutorial (5 points + 5 extra credit points)	**Due by 11:59 on SUNDAY June 15th**
Discussion Board #1: Anatomical Terminology & Homeostasis	**Due by 11:59 on SUNDAY June 15th**
Week 2	**6/16 – 6/16**
Cell Morphology (Chapter 3) **Mastering Assignment:** Chapter 3 Dynamic Study Module1 Chapter 3 Dynamic Study Module 2 Chapter 3 Dynamic Study Module 3 Chapter 3 Dynamic Study Module 4 **Chapter 3 Test**	All assignments are due by **11:59 pm on SUNDAY June 22nd**
Tissues (Chapter 4) **Mastering Assignment:** Chapter 4 Dynamic Study Module1 Chapter 4 Dynamic Study Module 2	All assignments are due by **11:59 pm on SUNDAY June 22nd**

Chapter 4 Dynamic Study Module 3 Chapter 4 Dynamic Study Module 4 **Chapter 4 Test**	
Discussion Board #2: Principle of Complementarity and Primary Tissues of the Body	due by **11:59 pm on SUNDAY June 22nd**
Week 3	**6/23 – 6/29**
Integumentary System (Chapter 5) **Mastering Assignment:** Chapter 5 Dynamic Study Module1 Chapter 5 Dynamic Study Module 2 Chapter 5 Dynamic Study Module 3 Chapter 5 Dynamic Study Module 4 **Chapter 5 Test**	All assignments are due by **11:59 pm on June 29th**
Bone Physiology (Chapter 6) **Mastering Assignment:** Chapter 6 Dynamic Study Module1 Chapter 6 Dynamic Study Module 2 Chapter 6 Dynamic Study Module 3 Chapter 6 Dynamic Study Module 4 **Chapter 6 Test**	All assignments are due by **11:59 pm on SUNDAY June 29th**
The Skeletal System (Chapter 7) **Mastering Assignment:** Chapter 7 Dynamic Study Module1 Chapter 7 Dynamic Study Module 2 Chapter 7 Dynamic Study Module 3 Chapter 7 Dynamic Study Module 4 **Chapter 7 Test**	All assignments are due by **11:59 pm on SUNDAY June 29th**
Discussion Board #3: Homeostatic Imbalances of the Skeletal System	due by **11:59 pm on SUNDAY June 29th**
Course Withdrawal Deadline	**Friday, June 28th**
Week 4	**6/30 – 7/6**
Joints (Chapter 8) **Mastering Assignments:** Chapter 8 Dynamic Study Module1 Chapter 8 Dynamic Study Module 2 Chapter 8 Dynamic Study Module 3 Chapter 8 Dynamic Study Module 4 **Chapter 8 Test**	All assignments are due by **11:59 pm on SUNDAY July 6th**
Muscle Physiology (Chapter 9) **Mastering Assignments:** Chapter 9 Dynamic Study Module1 Chapter 9 Dynamic Study Module 2 Chapter 9 Dynamic Study Module 3 Chapter 9 Dynamic Study Module 4 **Chapter 9 Test**	All assignments are due by **11:59 pm on SUNDAY July 6th**
The Muscular System (Chapter 10) **Mastering Assignments:** Chapter 10 Dynamic Study Module1 Chapter 10 Dynamic Study Module 2 Chapter 10 Dynamic Study Module 3 Chapter 10 Dynamic Study Module 4 **Chapter 10 Test**	All assignments are due by **11:59 pm on SUNDAY July 6th**
Discussion Board #4: Physiology of the Muscular System	due by **11:59 pm on SUNDAY July 6th**

Week 5	7/7-7/12
Nervous System (Chapters 11) **Mastering Assignments:** Chapter 11 Dynamic Study Module1 Chapter 11 Dynamic Study Module 2 Chapter 11 Dynamic Study Module 3 Chapter 11 Dynamic Study Module 4 **Chapter 11 Test**	All assignments are due by **11:59 pm on FRIDAY July 11th**
Central Nervous System (Chapter 12) **Mastering Assignments:** Chapter 12 Dynamic Study Module1 Chapter 12 Dynamic Study Module 2 Chapter 12 Dynamic Study Module 3 Chapter 12 Dynamic Study Module 4 **Chapter 12 Test**	All assignments are due by **11:59 pm on FRIDAY July 11th**
Discussion Board #5: Homeostatic Imbalances of the Nervous System	due by **11:59 pm on FRIDAY July 11th**
FINAL EXAM	Due by **11:59 PM Saturday, July 12th**

Course Evaluation Methods

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

Mastering A&P Online Platform –We will be using Pearson's Mastering A&P as our online platform. **You will need to purchase access and enroll in our online section of Mastering A&P immediately.** Please follow the instructions below:

1. Sign in to Canvas and enter your Canvas course.
   - Select the My Lab and Mastering Link on the left hand tool bar (course navigation).

Get Access to Your Pearson Course Content:

1. Enter your Pearson account **username** and **password** to **Link Accounts**.
   You have an account if you have ever used a Pearson MyLab & Mastering product, such as MyMathLab, MyITLab, MySpanishLab, MasteringBiology or MasteringPhysics.
   - If you don't have a Pearson account, select **Create** and follow the instructions.
2. Select an access option:
   - Enter the access code that came with your textbook or was purchased separately from the bookstore.
   - Buy access using a credit card or PayPal account.
   - If available, get temporary access by selecting the link near the bottom of the page.
3. From the You're Done page, select **Go to My Courses**.

Need help? For help with MyLab & Modified Mastering with Canvas, go to:
http://help.pearsoncmg.com/mylabmastering/bbi/student/en/index.html

MASTERING A&P DYNAMIC STUDY MODULES - ONLINE HOMEWORK ASSIGNMENTS– you are responsible for completing Dynamic Study Modules online homework assignments for each chapter of the text covered in the course. There are approximately 4 modules per chapter.

- **YOU MUST READ THE CHAPTERS**
- **Use the PowerPoint presentations to focus your studying**
- Every module includes approximately 25 questions from across the chapter in a format optimized for long-term retention.

- You will receive 5 points for completing each module by the due date. There are 44 assigned modules (including Chapter 2: Chemistry Review Tutorial). **You must complete 40 out of 44 study modules to receive the full 200 points**. However, while you will not be penalized for not completing up to 4 modules, the material will still be on the test.
- *4 additional study modules can be completed for 5 points extra credit each (total 20 points extra credit)*
- All modules and online homework must be submitted by 11:59pm on the due date. Please refer to the syllabus and online schedule for due dates. Homework assignments are worth 27.5% of your total grade.

MASTERING A&P ONLINE CHAPTER TESTS - you are responsible for completing an online test for each chapter of the text covered in the course.

- Unlike homework assignments, you only have one attempt to answer each test questions and you may only take the test once. **You have 40 minutes to complete each test.** There are approximately 20-25 questions per test. Accordingly, you will not have enough time to look up the answers to the questions and you will need to study.
- *Unlike homework assignments, you have 1 attempt to answer each test question.*
- **All online tests must be completed by 11:59pm on the due date**. **Late submissions will not be accepted.** Please refer to the syllabus and the online Mastering A&P calendar for due dates.
- **Your lowest test grade will be dropped.**
- Online exams and the ability to retake is solely at the instructor's discretion. There will be no make-up exams except for documented emergencies.
- You should not discuss the questions with other class members. Be aware that the questions, sequence of questions, and the order of choices have been randomized. Assistance in answering the exam questions from another person or discussing exam items with other students of the class will be considered cheating (see policy on scholastic dishonesty). ***Academic dishonesty and cheating will be viewed as serious matters and will not be tolerated. Such instances will be dealt with following strict university sanctions and students will be given a grade of '0' for the exam.***
- Chapter tests are worth approximately 30% of your total grade.

CANVAS DISCUSSION BOARDS: There will be a discussion board topic posted each week. You are required to thoughtfully respond to each discussion board topic.

- **Each discussion board is worth 50 points**. Grades for the discussion board will be based on the correctness and thoroughness of your response. **Your response should demonstrate an understanding of the week's material.** ***Most questions will require at least a thoughtful paragraph to a half-page response; thus a few sentences will not provide the adequate response or understanding of the material.***
- Discussion Board assignments count for a significant portion of your grade (38%). Please carefully read and thoroughly answer each discussion question. *All responses should be based on information from this course (textbook, assignments, discussions, etc.). Information from outside sources must be properly paraphrased and cited. Any response taken from an internet source without being properly paraphrased and cited is considered plagiarism and will result in a zero for this assignment.*
- ***Any response that is AI generated will receive a 0.***
- **Each discussion board will require you to respond to at least 2 students' posts.**
- Discussion boards will require you to submit a post before you can view other students' responses. Accordingly, do not wait until the deadline to post your discussion board response.
- You are required to complete ALL Discussion Boards. Discussion boards are worth approximately 33% of your total grade.
- **There is also a required *Introduction Discussion Board due by the end of the third day of class (June 5th)*; this introduction is worth 25 points.**

- You may not respond with the same answer or example provided by another student. ***Duplicate responses will not receive credit***. Answers cannot be copied from the textbook, course materials or from an internet source. **Any source that you do use must be cited and the information must be paraphrased.**
- **Late discussion board responses will not receive credit.**
- The first student to post their discussion responses each week will receive 2 points extra credit.

FINAL EXAM - you will have one online final exam that will cover all 5 weeks' material with approximately 4 questions per chapter (Chapters 1 and 3-12). Questions will include a mix of multiple choice, matching and short answer. You will have 2 hours to complete the exam once you begin. Lockdown Browser is required for the final exam (see below). The final exam is worth 100 points (approximately 13% of your total grade).

LOCKDOWN BROWSER REQUIREMENT

This course requires the use of LockDown Browser for online exams (Final Exam). Watch this video to get a basic understanding of LockDown Browser: https://www.respondus.com/products/lockdown-browser/student-movie.shtml

Download Instructions

Download and install LockDown Browser from this link:
https://download.respondus.com/lockdown/download.php?id=165715487

Once Installed:

- Start LockDown Browser
- Log into to Canvas
- Navigate to the quiz
- Note: **You won't be able to access a quiz that requires LockDown Browser with a standard web browser.** If this is tried, an error message will indicate that the test requires the use of LockDown Browser. Simply start LockDown Browser and navigate back to the exam to continue.

WHY THIS MATTERS and COURSE CONTENT VIDEOS – "Why This Matters" videos are posted for each chapter. These short videos relate the content and importance of the chapter to health related careers. Please watch these videos prior to beginning each chapter. There are additional short content videos posted that cover the most challenging topics. It is recommended that you watch these videos as you are reading and studying the chapter material. These videos are only meant to aid your studying. You must READ the chapters.

GRADING MATRIX:

Instrument	Value	% of Grade	
Mastering A&P Dynamic Study Modules online homework assignments (+ Chemistry Review Tutorial)	5 points x 40 assignments = **200 points**	~24%	
Master A&P Chapter Tests	25 points x 10 tests = **250 points** *lowest grade will be dropped*	~30%	
Discussion Boards Introduction Discussion Board	50 points x 5 discussions = **250 points** Introduction Discussion Board = **25 points** **Total = 275**	~33%	
FINAL EXAM	**100 points**	~13%	
Extra Credit Opportunities: - additional Dynamic Study Modules - Chemistry Review Tutorial	5 points x 4 = 20 points =5 points Total Possible Extra Credit = **25 points**		
Total:	**825 points**	**100%**	

GRADE DETERMINATION
A = 742.5 points or above = 90% or better
B = 660 – 742 points = 80% - 90%
C = 577.5 – 659.5 points = 70% - 80%
D= 495 – 577 points = 60% - 70%
F = less than 495 points = less than 60%

COURSE EXPECTATIONS – *this course will be time consuming*. A general expectation is that for every credit hour earned, a student should spend 3 hours per week working outside of class during a regular 15-week semester. Hence, a 3-credit course might have a minimum expectation of 9 hours of reading, study, etc. for a 15-week semester, beyond the scheduled class time. **Since this is an accelerated 5 week summer course, this minimum time expectation is tripled. Accordingly, your time management is crucial for success in this course. I do not recommend waiting until the due date to complete your assignments for the week. Late assignments will not receive credit and due date extensions will not be granted.**

COURSE ANNOUNCEMENTS
Course announcements (due date reminders, schedule changes, additional instruction, etc.) will be communicated via Canvas Announcements. Please be sure to enable the notification settings for announcements in Canvas. To do this, log into Canvas > Account (global navigation bar) > Notifications > make sure the check mark for Announcements is highlighted green.

E-MAIL COMMUNICATION
When communicating with instructors and other professionals, you are expected to communicate in a professional and formal manner. The best method to communicate with me is via email. ***Please send all emails to my faculty e-mail address aubrey.frantz@untdallas.edu.*** I will respond to your email within 24 hours. ***Students are also required to use their UNT-Dallas e-mail account in this class.*** The University of North Texas at Dallas has adopted the University email address as an official means of communication with students. I will not send emails to alternate accounts. Students are responsible for checking their e-mail regularly. Important announcements and course information will be sent via

Canvas. With this in mind, you should either routinely log into Canvas or forward your Canvas messages to your e-mails.

University Policies and Procedures

Students with Disabilities (ADA Compliance):
Chapter 7(7.004) Disability Accommodations for Students:

The University of North Texas at Dallas makes reasonable academic accommodation for students with disabilities. Students seeking accommodations must first register with the Disability Services Office (DSO) to verify their eligibility. If a disability is verified, the DSO will provide you with an accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request accommodations at any time, however, DSO notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet/communicate with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information see the Disability Services Office website at http://www.untdallas.edu/disability. You may also contact them by phone at 972-338-1777 or by email at UNTDdisability@untdallas.edu.

Canvas Instructure Accessibility Statement:
University of North Texas at Dallas is committed to ensuring its online and hybrid courses are usable by all students and faculty including those with disabilities. If you encounter any difficulties with technologies, please contact our ITSS Department. To better assist them, you would want to have the operating system, web browser and information on any assistive technology being used. Canvas Instructure Accessibility Statement is also provided.

NOTE: Additional instructional technology tools, such as Turnitin, Respondus, Panopto, and publisher cartridge content (i.e. MyLab, Pearson, etc.) may NOT be fully ADA compliant. Please contact our Disability Office should you require additional assistance utilizing any of these tools.

Course Evaluation Policy: Student's evaluations of teaching effectiveness is a requirement for all organized classes at UNT Dallas. 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 students' evaluations to be an important part of your participation in this class.

Assignment Policy: Assignments should be completed on time. Late assignments will not receive credit. Assignment extensions will only be granted for documented emergencies.

Exam Policy: You may take the exam only once. If you do not take the exam during the required period for any reason, it will be considered a "missed" exam. For that reason, I recommend that you do not wait until the last hour. ***Exams will end at 11:59 PM on the date specified (see syllabus for exact dates). With this in mind, you will want to plan sufficient time to take your exams.***

- You should not discuss the questions with other class members. Be aware that the questions, sequence of questions, and the order of choices have been randomized. Assistance in answering the exam questions from another person or discussing exam items with other students of the class will be considered cheating (see policy on scholastic dishonesty). ***Academic dishonesty and cheating will be viewed as serious matters and will not be tolerated. Such instances will be dealt with following strict university sanctions.***

- You may drop your lowest exam grade. If you miss one exam (for any reason), this will be your "dropped" exam grade. If you miss more than one exam, you will get a 0 on each additionally missed exam.
- Online exams and the ability to retake is solely at the instructor's discretion. There will be no make-up exams except for documented emergencies.

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.untdallas.edu/sites/default/files/page_level2/pdf/policy/7.002%20Code%20of%20Academic_Integrity.pdf for complete provisions of this code.

Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabrication of information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.

Web-based Plagiarism Detection*:* Please be aware in some online or hybrid courses, students may be required to submit written assignments to Turnitin, a web-based plagiarism detection service, or another method. If submitting to Turnitin, please remove your title page and other personal information.

Classroom Policies

Online Attendance and Participation:
The University attendance policy is in effect for this course. Class attendance in the Canvas classroom 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 the discussion board. Online presence and participation in all class discussions is essential to the integration of course material and your ability to demonstrate proficiency.

Attendance for this online or hybrid course is considered when you are logged in and active in Canvas, i.e., posting assignments, taking quizzes, or completing Discussion Boards. To maintain financial aid award eligibility, activity must occur before the census date of the session or term of the course. Refer to UNT Dallas' Registrar for specific dates. If you are absent/not active in the course shell, it is YOUR responsibility to let the instructor know immediately, upon your return, the reason for your absence if it is to be excused. All instructors must follow university policy 7.005 covering excused absences; however, it is the instructor's discretion, as outlined in the course syllabus, of how unexcused absences may or may not count against successful completion of the course.

Inclement Weather and Online Classes: Online classes may or may not be effected by campus closures due to inclement weather. Unless otherwise notified by your instructor via e-mail, online messaging, or online announcement, students should assume that assignments are due as scheduled.

Online "Netiquette":
In any social interaction, certain rules of etiquette are expected and contribute to more enjoyable and productive communication. Emails, Discussion Board messages and/or any other forms of written communication in the online environment should use proper "netiquette" (i.e., no writing in all caps (usually denotes yelling), no curse words, and no "flaming" messages (angry, personal attacks). Racial, ethnic, or gender slurs will not be tolerated, nor will pornography of any kind.

Any violation of online netiquette may result in a loss of points or removal from the course and referral to the Dean of Students, including warnings and other sanctions in accordance with the University's policies and procedures. Refer to UNT Dallas Student Code of Conduct. Respect is a given principle in all online communication. Therefore, please be sure to proofread all of your written communication prior to submission.

Diversity/Tolerance Policy:
Students are encouraged to contribute their perspectives and insights to class discussions in the online environment. However, offensive & inappropriate language (swearing) and remarks offensive to others of particular nationalities, ethnic groups, sexual preferences, religious groups, genders, or other ascribed statuses will not be tolerated. Disruptions which violate the Code of Student Conduct will be referred to the Dean of Students as the instructor deems appropriate.

Technology Assistance: In order to successfully access the materials in an online or hybrid course, UNT Dallas advises that your computer be equipped with the minimum system requirements listed on the first page of the syllabus.

If you experience difficulty accessing or using components of the course, try using Google Chrome browser. If you still experience technical difficulties, first, notify your instructor.

If the problem is still not resolved, call Student Assistance (Distance Learning) at the phone number listed on the first page of the syllabus. Also, no matter what browser you use, always enable pop-ups. For more information see:

- UNT Dallas Canvas Technical Requirements
- Canvas Instructure Supported & Unsupported Operating Systems