

BIOLOGY 2302
ANATOMY AND PHYSIOLOGY 2
COURSE SYLLABUS

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Office: HPR 118; 903-566-7274
Office Hours: Tues 11-1pm, Thurs 11-1pm, or by appointment
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REQUIRED TEXT AND OTHER COURSE MATERIALS:

Human Anatomy and Physiology, Erin C. Amerman, Pearson, 3rd ed. with mastering access
**can be purchased through canvas using the access Pearson link*

COURSE DESCRIPTION: This course provides an overview of the structure and function of the human body.

COURSE OBJECTIVES: Upon completion of **BIOL 2302**, the student will

1. Define and correctly apply anatomical and physiological terminology
2. Describe the structure and function of the sensory, endocrine, cardiovascular, pulmonary, immune (lymphatic), digestive and renal systems
3. Define homeostasis and explain its role in human function, using specific examples for the sensory, endocrine, cardiovascular, pulmonary, immune, (lymphatic), digestive and renal systems
4. Discuss and apply the principles of local, neural and endocrine regulation of the body systems
5. Describe the composition and functions of blood, including all formed elements
6. Explain the regulation of acid-base balance in the body and the mechanisms of acidosis and alkalosis
7. Demonstrate the ability to communicate scientific information and theory both verbally and in writing
8. Interpret scientific graphs, tables, and charts
9. Apply the concepts of human anatomy and physiology to real situations

As soon as possible, log onto **Canvas** and **spend some time exploring the materials available**. Check **Canvas** and your **student email DAILY** for **new announcements or messages** so that you don't miss something important!

To get the most out of class, you should:

- **Read** the assigned **text chapter** and or **read** the posted **power point slides** **BEFORE** we get to it in class. Read/go over an vocabulary/terms.

If we finish a chapter **with class time remaining**, then we will start the **next scheduled chapter**, because every minute is precious. We will discuss the majority of the **anatomy** in the **LABORATORY**, and **NOT** in the **lecture**. In **lecture** will focus on **physiological principles**. I welcome questions in person or if more convenient, you can call, e-mail, or Zoom. Please do not hesitate to ask questions about class material! **There is no such thing as a stupid CONTENT question. Honestly, it is only stupid NOT to ASK them.** It is VERY difficult to improve your course average after you fail the first exam in a course like A&P, so **PLEASE** contact me for help or studying tips **EARLY** in the semester, before it is too late to make a difference.

GRADING POLICY: Your final course grade (**Total** in Canvas) will be determined as follows (Extenuating circumstances such as weather-related schedule changes may result in changes to these percentages.):

Canvas Quizzes (20%) and MasteringA&P (10%) (30% total)

Attendance/Participation 10%

Exams: Four (4) unit exams & Comprehensive final 60% total

4 Unit Exams - worth 40% total (or 10% each) of final course grade

Final Exam – 20% of final course grade

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Exams: The four until exams and final will be taken **in class** on a scantron (which you will provide ahead of time). They will consist of multiple choice, matching and true/false. The lowest unit exam will be dropped and replaced with the final exam grade if it is higher.

Chapter Quizzes: As we finish each chapter, you will have access to a quiz (sometimes 2) for that chapter on Canvas. Once a quiz has been opened, you will usually have about a week to complete it. A few days after a quiz due date and before the exam over the quiz content I will make correct answers viewable so you will not miss the same content on your exam as on your quiz. Your lowest quiz grade will be dropped. The quiz average will be calculated as **20%** of the total course grade.

You may take quizzes on campus or at home. Generally, they are limited to a maximum of **1.5 MINUTES per question**. Therefore, a quiz consisting of **ten questions** will have a total time limit of **fifteen minutes**. Please note: Canvas will automatically submit your quiz when you reach the time limit. Some quizzes will have 2 chances to take the quiz and the highest of the two grades will be counted.

Quizzes on Canvas should be taken on a **RELIABLE Internet connection**. If you are knocked offline while taking a **quiz**, I may have to **clear** the quiz before another attempt can be made. Also, be sure to **check the quiz** after submission to make sure that there is a **score**. Email me if you have any sort of quiz problem.

MAP Assignments (Homework) You will earn **10%** of your total grade by completing assignments over each chapter of material in Mastering A&P. You must complete the Homework assignments by the **deadlines** posted on MAP for **full credit**. Homework can be done late, with a penalty.

Letter grades will be assigned according to the following scale:
90-100% = A, 80-89.99% = B, 70-79.99 = C, 60-69.00% = D, 0-59.99% = F

All of your course grades will be in Canvas (under Tools; My Grades), so you will be able to view your current course grade at any time. Please be aware that I cannot give you EXTRA CREDIT OR WORK at the end of the semester. Your average (**Total**) shown in Canvas will determine your final course grade. Please note, this is a **face-to-face class**. I will not use Zoom unless required by University. My teaching style is not amenable to Zoom format.

Academic Integrity: Students should be aware that absolute academic integrity is expected of all students in all courses taken at The University of Texas at Tyler. Failure to comply can result in strong university-imposed penalties. For instance, submitting plagiarized work to meet academic requirements, including the representation of another's work or ideas as one's own, the unacknowledged word-for-word research results shall be grounds for charges of academic misconduct. **Any cheating or other types of academic misconduct will be reported to the university administration and, at minimum, will result in an automatic failure of the course. Cell phone use during exams is strictly forbidden.**

I RESERVE THE RIGHT TO MODIFY THIS SYLLABUS AT ANY TIME. THEREFORE, YOUR ATTENDANCE AND ATTENTION TO THE ANNOUNCEMENTS IN CANVAS ARE CRUCIAL BECAUSE IT WILL ASSIST YOU TO REMAIN CURRENT ON THE MATERIAL AND KNOW WHEN THE SYLLABUS MAY BE MODIFIED.

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DATE	LECTURE	CHAPTER
AUG 26	Syllabus/ The Endocrine System	16
AUG 28	The Endocrine System	16
SEPT 2	Endocrine System/ Start Cardiovascular: Blood	16 & 19
SEPT 4	The Cardiovascular System: Blood	19
SEPT 9	The Cardiovascular System: Blood	19
SEPT 11	The Cardiovascular System: The Heart	17
SEPT 16	EXAM 1 (in class only)	Ch 16, 19 (part)
SEPT 18	The Cardiovascular System: The Heart	17
SEPT 23	The Cardiovascular System: The Heart	17
SEPT 24	The Cardiovascular System: Blood Vessels	18
SEPT 30	The Cardiovascular System: Blood Vessels	18
OCT 2	The Lymphatic System (part 1)/ Blood WBC	19 & 20
OCT 7	EXAM 2 (in class only)	Chs 17,18, 20 (part)
OCT 9	The Lymphatic System and Immunity	20
OCT 14	Immunity	20
OCT 16	Immunity	20
OCT 21	Immunity/ The Respiratory System	20, 21
OCT 23	The Respiratory System	21
OCT 28	The Respiratory System	21
OCT 30	The Digestive System	22
NOV 3	LAST DAY TO WITHDRAW	
NOV 4	EXAM 3 (in class only)	Chs 19 (part) 20 & 21
NOV 6	The Digestive System	22
NOV 11	The Digestive System/ Metabolism and Nutrition	22/23
NOV 13	Metabolism and Nutrition	23
NOV 18	The Urinary System	24
NOV 20	EXAM 4 (in class only)	Chs 22, 23 & 24
NOV 24-28	THANKSGIVING BREAK (no class)	
DEC 2	The Urinary System	24
DEC 4	Acid-Base Balance Homeostasis	25
DEC 8-12	FINAL EXAM (online) Ch 25 + material from previous 4 units	

**Mastering Assignments and quizzes due dates may vary depending on the exam schedule so
be sure to pay attention to due dates**