

# BIOL 1234.X21 &X2B

## Anatomy and Physiology II

Spring 2021

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### Time and Place of Class Meetings:

BIOL 1234 Lecture (X21) and Lab (X2B) are 100% online.

### Course Description:

This course covers the structure and function of the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems of humans. Concurrent laboratory participation is required.

**Note:** Modern Biology is an integrative discipline, incorporating elements of Mathematics, Chemistry, Computer Science, and Writing. We expect that you have at least a basic understanding of each of these elements.

### Student Learning Outcomes:

Upon completion of this course, you should be able to demonstrate understanding of

- Scientific Method
- Anatomy and physiology of the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems
- Nutrition
- Fluid, Electrolyte, and Acid-Base Balance
- Human Development
- Heredity

### Expectations:

Follow along with course materials, take quizzes and exams before the time they are due, and ask questions when you do not understand.

### Required Textbooks and Other Course Materials:

Required digital materials for this course are part of the Courseware Access and Affordability Program at MSU Texas. Students are charged for required course materials on their student account with the Business Office. Any students who wish to opt-out of the Program and purchase the required course materials on their own must do so prior to 01/27/21. Opt-out instructions are sent to students' official my.msutexas.edu email address after the first day of class. Please contact the MSU Bookstore if you have any questions about the opt-out process.

## Desire2Learn (D2L):

D2L is an integral part of this course. You will access McGraw Hill's Connect, take your exams, and complete assignments from this platform. Weekly video announcements and video lectures will be posted and/or linked to from D2L. Class notes and links to supplemental information will also be available here. **Check D2L regularly!**

## Virtual Office Hours:

I will be available via Zoom for five scheduled office hours per week. You may also e-mail me and schedule a meeting at our mutual convenience. My Zoom personal meeting ID is: [728 649 5580](https://us06zoom.us/j/7286495580). I will admit you from the virtual waiting room as soon as I am available.

## Grading Policy:

Biology 1234 consists of both a "lecture" and laboratory component. The following standard scale will be used when reporting your composite grade: 90-100%=A, 80-89%=B, 70-79%=C, 60-69%=D, 0-59%=F.

**Final Course Grade = (Lecture Grade x 75%) + (Laboratory Grade x 25%)**

### Lecture:

Your lecture grade will be determined by SIX online exams and 12 LearnSmart exercises. These will all be completed online. Each exam will typically be comprised of information from 2 chapters and will be from 30-50 questions long. Once you begin you will have 1h to complete each exam.

### Lab:

Your lab grade will be determined by 12 Laboratory exercises and associated quizzes. All of them will be administered online.

## Attendance Policy:

Attendance will be recorded based upon submission of weekly assignments.

## Diversity, Equity, and Inclusion:

This classroom (virtually and in person) is a safe place. We are all part of a learning community comprised of diverse backgrounds, skills, ideas, and orientations. People of all diversity dimensions are welcome and valued and I am committed to an inclusive learning environment free from harassment, sexual misconduct, discrimination, or violence. Hate speech will not be tolerated and any form of harassment will result in expulsion from the classroom and a report to the proper university authority.

## Conduct Policy:

Be respectful to everyone in the class, including yourself. **Cheating in any form will not be tolerated and may result in you receiving an "F" in the COURSE.** Academic dishonesty will be reported to the Dean. Please refer to the [Student Honor Creed](#).

## Classroom Technology:

Students will need a computer with internet access to be successful in this class. Chromebooks and smartphones do not work well with D2L and many of the virtual applications required for this class. Minimum supported software and hardware are outlined [here](#). MSU has negotiated special purchase deals with Dell should a student wish to purchase a new laptop. These purchase options can be found [here](#). Models with greater capability are listed under "Science and Engineering".

## Students with Disabilities:

Any student with a disability is encouraged to contact [Disability Support Services](#) (DSS) at 940-397-4140. Special accommodations will be made once the student has been evaluated and provides documentation from that office. However, I will work with you to ensure success regardless of your status with DSS.

## Campus Carry:

Senate Bill 11 passed by the 84<sup>th</sup> Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Areas excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage regarding [Campus Carry](#).

## COVID-19:

Please review the [MSU Texas Return to Campus Plan](#)

For this semester, students attending class must comply with MSU's requirement for wearing a face covering as mandated in the [MSU Texas Facial Covering Requirement](#) document.

Cleaning supplies are available upon entry to the classroom. Please sit only in designated seats and maintain as much distance as possible between yourself and other students.

The MSU Safety App provides a link a COVID-19 screening assessment. The MSU Safety App is available on the [Apple Store](#) or [Google Play App Store](#).

**IF YOU FEEL ILL IN ANY WAY DO NOT COME TO CLASS!!!**

## Lecture Schedule

Intro: The Scientific Method  
Chapter 17: The Endocrine System  
Chapter 18: The Circulatory System: Blood

**EXAM I Due 03 February by Midnight**

Chapter 19: The Circulatory System: The Heart  
Chapter 20: The Circulatory System: Blood Vessels and Circulation

**EXAM II Due 21 February by Midnight**

Chapter 21: The Lymphatic and Immune Systems  
Chapter 22: The Respiratory System

**EXAM III Due 10 March by Midnight**

Chapter 23: The Urinary System  
Chapter 25: The Digestive System

**EXAM IV Due 24 March by Midnight**

Chapter 27: The Male Reproductive System  
Chapter 28: The Female Reproductive System

**EXAM V Due 11 April by Midnight**

Chapter 29: Human Development and Aging  
Chapter 04: Genetic and Cellular Function

**EXAM VI Due 29 April by Midnight**

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**Note<sup>1</sup>:** Weekly video announcements will be posted every Monday.

**Note<sup>2</sup>:** Students will not return to campus after Thanksgiving, so the optional in-class sessions will not be held after 24 November 2020.

**Note<sup>3</sup>:** In the event that we must go 100% online, this course model will experience no interruption in content delivery or assessment.

## Lab Schedule

19-22 January:	Virtual Labs Tutorial, Lab Safety, Metric Measurements
25-29 January:	Endocrine System
01-05 February:	Blood
08-12 February:	Cardiovascular System Anatomy
15-19 February:	Cardiovascular System Physiology
22-26 February:	Respiratory System Anatomy
01-05 March:	Respiratory System Physiology
08-12 March:	Urinary System Anatomy and Physiology
15-19 March:	Digestive System Anatomy
22-26 March:	Digestive System Physiology
29-31 March:	No Labs
05-09 April:	Reproductive System Anatomy
12-16 April:	Genetics and Heredity