

BIO 126S Anatomy & Physiology II

4 Credit Hours

Section/Term	BIO 126S-804FS
Class Meeting Time	Online
Location	Online
Required Items	Textbook: Martini, Fredric H. et. al. <u>Visual Anatomy and Physiology</u> , 3rd Ed. 2018. Pearson Publishing.
Optional Materials	Lab Manual: Satikas, Stephen N. <u>Visual Anatomy and Physiology</u> , Lab Manual. 2nd Ed. 2018 Pearson Publishing.
Instructor	Laura Mack Master of Science, The Ohio State University, 2003
Instructor Email	lmack@edisonohio.edu
Instructor Contact	If you have any questions or concerns, please contact me via email with the course name and number in the subject line (BIO 126S 804FS) through your Edison State email. You are welcome to set up an appointment to meet virtually.

To be successful in this course, you should plan to invest a consistent amount of time each week. For a 4-credit online course in a 16-week semester, expect to spend at least 12 hours per week studying.

“Studying” in this course means active learning. Simply reading the material or highlighting key concepts is not enough—you should be engaging with the content in meaningful ways, such as taking notes, practicing concepts, and reviewing regularly.

I understand that many of you choose online courses because your schedules do not allow for work during the regular school day. Please also keep in mind that I have set working hours as well. I will respond to emails and questions in the evening.

Communication and Updates:

Email is the primary method of communication for this course. Please use your Edison email to contact me, as this is also how I will communicate important information with you.

You are expected to check your Edison email daily and review Blackboard announcements regularly for course updates and important messages. Blackboard will also contain your assignments, grades, and a copy of the syllabus.

It is your responsibility to monitor your grades and stay informed about your progress in the course.

Online Schedule:

All assignments are due no later than 11:59 p.m. EST on the specified due date. Please plan accordingly to ensure timely submission. Once a due date closes, I will not reopen it.

The course schedule is subject to change at the discretion of the instructor.

Availability	Chapters and Assignments	Due Date
8/24/2026 - 9/6/2026	Unit 1: • Chapter 14 and 15 in Martini Text (pages 514-593) • Cow Eye Dissection Videos 1-3 • Chapter 14 Homework (online) • Chapter 14 Quiz (online) • Chapter 15 Homework (online) • Chapter 15 Quiz (online) • Exercise 18 in Saikas Lab Manual (pages 205-342) • Chapter 14 Test (online) • Chapter 15 Test (online) • Autonomic Nervous System Quiz (online) • Special Senses Quiz (online) • Lab Practical- Autonomic Nervous System (online) • Lab Practical- Special Senses (online)	9/6/2026
9/6/2026- 9/20/2026	Unit 2: • Chapter 16 in Martini Text (pages 594-629) • Chapter 16 Homework (online) • Chapter 16 Quiz (online) • Exercise 19 in Saikas Lab Manual (pages 343-358) • Mechanisms of Action Video • Homeostasis Video	9/20/2026

	• Pancreas and Blood Glucose Video • Chapter 16 Test (online) • Endocrine System Quiz (online) • Lab Practical- Endocrine (online)	
9/20/2026- 10/11/2026	Unit 3: • Chapters 17, 18, and 19 in Martini Text (pages 629-749) • Chapter 17 Homework (online) • Chapter 17 Quiz (online) • Chapter 18 Homework (online) • Chapter 18 Quiz (online) • Chapter 19 Homework (online) • Chapter 19 Quiz (online) • Exercise 20-23 in Saikas Lab Manual (pages 359-432) • Chapter 17 Test (online) • Chapter 18 Test (online) • Chapter 19 Test (online) • Sheep Heart Dissection Videos Parts 1-3 (online) • Cardiac Conduction Video (online) • Cardiac Cycle Video (online) • Cardiovascular System-Heart Quiz (online) • Cardiovascular System-Arteries Quiz (online) • Lab Practical- Arteries (online) • Lab Practical- Veins (online) • Lab Practical- Heart (online)	10/11/2026
10/11/2026- 10/25/2026	Unit 4: • Chapters 20 and 21 in Martini Text (pages 750-837) • Immunological Response Video (online) • Immunology Video (online) • Gas Exchange Video (online) • Partial Pressure Video (online) • Chapter 20 Homework (online) • Chapter 20 Quiz (online) • Chapter 21 Homework (online) • Chapter 21 Quiz (online) • Exercises 24-26 in Saikas Lab Manual (pages 433-484) • Chapter 20 Test (online) • Chapter 21 Test (online) • Respiratory System Lab Quiz (online) • Lymphatic System Lab Quiz (online) • Lab Practical- Respiratory System (online) • Lab Practical- Lymphatic System (online)	10/25/2026
10/25/2026- 11/8/2026	Unit 5: • Chapters 22 and 23 in Martini Text (pages 838-931) • Liver Lobule Video (online)	11/8/2026

	• Cell Respiration Video (online) • Chapter 22 Homework (online) • Chapter 22 Quiz (online) • Chapter 23 Homework (online) • Chapter 23 Quiz (online) • Exercises 27-28 in Saikas Lab Manual (pages 485-522) • Chapter 22 test (online) • Chapter 23 Test (online) • Digestive System Lab Quiz (online) • Lab Practical- Digestive System (online)	
11/8/2026- 11/22/2026	Unit 6: • Chapters 24 and 25 in Martini Text (pages 932-997) • Nephron Video (online) • Sheep Dissection Video Parts 1-3 (online) • Chapter 24 Homework (online) • Chapter 24 Quiz (online) • Chapter 25 Homework (online) • Chapter 25 Quiz (online) • Exercise 29-30 in Saikas Lab Manual (pages 523-548) • Chapter 24 Test (online) • Chapter 25 Test (online) • Urinary System Lab Quiz (online) • Lab Practical- Urinary System (online)	11/22/2026
11/22/2026- 12/7/2026	Unit 7: • Chapters 26 and 27 in Martini Text (pages 998-1073) • Meiosis Video (online) • Chapter 26 Homework (online) • Chapter 26 Quiz (online) • Chapter 27 Homework (online) • Chapter 27 Quiz (online) • Exercises 31-32 in Saikas Lab Manual (pages 549-580) • Chapter 26 Test (online) • Chapter 27 Test (online) • Reproductive System Lab Quiz (online)	12/7/2026

Course Notes:

Lecture notes for each unit are available on Blackboard in PowerPoint format. These materials can be accessed online and printed at home if desired.

The notes are intended to serve as a study guide for exams; however, they are not a substitute for fully engaging with the course content. A complete understanding of the material will require reading

the textbook, studying the lab manual, completing all homework and quizzes, and viewing the assigned videos.

Homework Assignments:

Each homework assignment is substantial and will require a significant amount of time to complete. Assignments must be completed on the computer and submitted within the allotted timeframe, so please plan your time wisely.

Completed work will be graded and recorded in Blackboard. There are no make-up opportunities for missed homework assignments.

Lab Exercises:

The lab manual is designed to support your success in this online course. While it is not graded, you are strongly encouraged to complete the activities as you progress through each unit.

Please note that some lab activities cannot be completed at home. These exercises are intended to help you apply the concepts learned in class, and material from the lab will be included on tests.

Chapter Tests:

Each chapter test is timed to allow at least one minute per question. Tests may include a variety of question formats, such as fill-in-the-blank, true/false, and multiple choice.

Grading Policy:

Points towards final grade can be earned as follows:

Category	Possible Points
Homework	119
Lecture Quizzes	135
Lecture Tests	700
Lab Quizzes	100
Lab Practical Tests	250
TOTAL	1304

Grades will be posted on Blackboard as they are completed, so please check your grades regularly.

Your final grade will be calculated as the percentage of points you earn out of the total points possible in the course.

Letter grades will be assigned as follows:

Grade	Percentage
A	90 - 100%
B	80 - 89.9%
C	70 - 79.9%
D	60 - 69.9%
F	0 - 59.9%

TESTING YOUR FAITH ACT POLICY:

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form,

https://www.edisonohio.edu/sites/default/files/2024-05/Testing_Your_Faith_Absence_Notification.pdf.

and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook,

https://www.edisonohio.edu/sites/default/files/2025-01/Student_Handbook.pdf.

Additional Edison State Community College and Student Resources

Additional Edison State Community College and Student Resources are available on Blackboard under its respective tab.

Instructions for Accessing Course Materials:

Course Announcements	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select Announcements
Online Textbook	1. Go to Edison's website, www.edisonohio.edu

	2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select MyLabs/MasteringA&P 7. Pearson E-Text(or Study Area) 8. E-Text
Online Notes	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select desired Unit 7. Select desired Topic
Homework	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select MyLabs/MasteringA&P 7. Select Mastering Assignments 8. Select the title of assignment to be completed
Lab Manual	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select MyLabs/MasteringA&P 7. Select Study Area 8. Select Lab Manual e-Text
Lab Practical	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select MyLabs/MasteringA&P 7. Select Mastering Assignments 8. Select the title of PRACTICAL to be completed
Tests	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources

	3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select MyLabs/MasteringA&P 7. Select Mastering Assignments 8. Select the title of TEST to be completed
Grades	1. Go to Edison's website, www.edisonohio.edu 2. Select Resources 3. Select Blackboard 4. Enter your username and password 5. Select 2026 Anatomy & Physiology (804FS) 6. Select My Grades.

Important Dates:

Date	Event
August 24, 2026	Classes Begin Fall Semester
September 7, 2026	Last day to drop with a refund
September 7, 2026	Labor Day, No classes
November 2, 2026	Last day to withdraw with a W or UW (Fall Semester)
November 11, 2026	Veteran's Day, No classes
November 26 - 29, 2026	Thanksgiving Break, No classes
December 12, 2026	Classes End Fall Semester

For additional help, please select the ASSIST tab on Blackboard on the Edison State Student Resources folder within your course.