

Faculty & Course Information

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You are welcome to request an appointment to meet me online with at least 48 hours' notice. I typically respond to emails by the next business day.

For online meetings, email me to schedule an appointment; I'll then send a Microsoft Teams link.

Required Materials:

1. **Textbook:** Anatomy and Physiology, 2nd ed., OpenStax. This free e-text is available online. A link is provided on Blackboard.
2. **Hardware:** An external webcam is required for one quiz and all major exams. Check out from the SPC library or purchase on your own (typical cost - \$20 to \$30).

Course description: Anatomy and Physiology II is the second part of a two-course sequence. It is a study of the structure and function of the human body including the following systems: endocrine, cardiovascular, immune, lymphatic, respiratory, digestive (including nutrition), urinary (including fluid and electrolyte balance), and reproductive (including human development and genetics). Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. Pre-requisite: BIOL 2401 with a "C" or better.

Learning Outcomes:

1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.
3. Describe the interdependency and interactions of the systems.
4. Explain contributions of organs and systems to the maintenance of homeostasis.
5. Identify causes and effects of homeostatic imbalances.
6. Describe modern technology and tools used to study anatomy and physiology
7. Apply appropriate safety and ethical standards.
8. Locate and identify anatomical structures.
9. Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.
10. Work collaboratively to perform experiments.
11. Demonstrate the steps involved in the scientific method.
12. Communicate results of scientific investigations, analyze data and formulate conclusions.
13. Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations and predictions.

Essential questions we will ask together this semester:

1. How does the shape of a body part (from the smallest to the largest) cause it to function in a specific way?
2. What new functions can be seen once different anatomical structures begin working together?
3. How do different parts of the body sense their environment? How does it then respond?
4. How do different parts of the body obtain and use energy?
5. How do biologists describe the body to one another?
6. How are different biological structures similar? How are they different? How are different biological functions similar? How are they different?

How do I succeed in this class?

Spend enough time studying. Expect to spend approximately

- 12 hours per week for a 16-week course
- 20 hours per week for an 8-week course
- 30 hours per week for a 5-week course.

Plan to complete assignments every day for the entire course. Avoid cramming. Plan your study schedule at the start of each week by blocking out non-negotiable commitments first, then scheduling specific study times and locations. Choose a low-distraction environment and work in smaller, regular sessions.

Watch videos, complete tutorials and fill out the note-taking guide. Print the note-taking guide and actively take notes while watching videos and completing tutorials. Pause often. Details matter, so write them down. Write down questions.

Ask questions early. Email me your questions. The more specific you are, the better I can help. Ask questions until you fully understand everything and your note-taking guide is fully filled out. You're always welcome to set up a time to meet with me online for extra help.

Use the provided course tools. I post learning aids for every section in the weekly folders and in the Course Resources section:

- *Videos:* Rewatch course videos anytime via the course YouTube channel (linked in Course Resources).
- *Primal Pictures:* A free, 3D, rotatable anatomy database available through the SPC Library.
- *Online tutorials and games:* Required chapter tutorials replace in-class activities; additional games in Course Resources help reinforce difficult topics.
- *Lecture exam reviews:* Exams test only the topics listed on the reviews in the Note-Taking Guide.
- *Practical exam "terms to know":* Only listed structures will be tested.
- *Instructor-made flashcards:* Provided for the practical exam structures.
- *Hands-on models:* Campus models are available for checkout or use at the Levelland Science Center or the Lubbock Downtown Center.

Quiz your memory repeatedly. Make your own study aids, such as outlines, drawings, diagrams or mind maps as you review your notes. Quiz your memory over and over again using any of the following: blank versions of the note-taking guide, practical exam flash cards, extra online tutorials, lecture exam reviews. Only use your notes to briefly jog your memory when you forget something. Then, close them and continue testing your memory. **Re-reading notes or slides repeatedly is the LEAST EFFECTIVE strategy and typically results in poor exam performance.**

Use SPC resources as needed. Life can impact learning, but SPC can help. The SPC Health & Wellness Center has several resources that can help you, should unexpected emergencies arise, including food assistance, help paying bills, medical care, mental health counseling and referrals, other free or reduced cost programs. Visit this link to learn more: <https://www.southplainscollege.edu/health/studenthealth.php>

Car break down? Don't worry, there's a shuttle service between Lubbock & Levelland. Visit this link to learn more: <https://spartanpublictransit.com/spc-express.php>

What are the assignments for this class?

Major Exams (90%): Five major exams will assess your understanding of course material. Each exam contains approximately 80 to 100 questions and includes both a lecture portion and a lab practical portion:

Lecture Portion (~75% of the exam): This portion assesses your understanding of lecture concepts, including physiology and anatomical “mental maps.” Questions are primarily multiple choice and will require both recall of foundational information and the ability to connect ideas, predict outcomes, and apply course concepts to new scenarios.

Use your note-taking guide to build the foundational knowledge needed for this portion of the exam. Then use the critical-thinking exercises to practice the reasoning and application skills needed to work through new scenarios rather than simply recognizing memorized information.

Lab Practical Portion (~25% of each exam): Lab practical questions assess your ability to identify anatomical structures. These questions are fill-in-the-blank with no word bank. Correct spelling is required for full credit.

One due-date extension is allowed for a missed exam. However, once you begin an exam online, you may not exit the exam and then request a due-date extension. Re-takes are not permitted. No exam grades are dropped; however, an optional comprehensive final exam may replace your lowest exam score.

Videos & Tutorials (8%): Each chapter includes instructional videos with graded questions and required online tutorials. Videos allow two attempts per question, and tutorials may be repeated until a score of 100% is earned. No due-date extensions are allowed; the lowest two grades are dropped.

Orientation to the Course Assignments (2%): Orientation assignments introduce the course structure, expectations, and learning tools. These include materials in the Start Here section and required Chapter 18 quizzes. Quizzes for later chapters are available in Course Resources but are optional. No due-date extensions are allowed; the lowest one orientation grade is dropped.

Do you curve grades or offer extra credit? Grades are not curved, and extra credit is not offered. Several easy assignments are due during the first days of the course in the Orientation section; these provide an early grade cushion, so do not miss them. All exam keys are reviewed for accuracy, and all fill-in-the-blank exam questions are hand-graded.

Grading Scale: A = 90–100% B = 80–89% C = 70–79% D = 60–69% F = <60%

What if I’m on the borderline? Because grades are dropped, cutoffs are strict. An 89.49 earns a B. An 89.50 earns an A.

What are the other policies for your course?

Engagement. Regular engagement with course material is required. If you accumulate four days of non-submitted assignments, I may drop you from the course. If you stop participating, it is your responsibility to drop the course through the registrar; otherwise, you will be assigned the letter grade you earn.

Technical Difficulties. If you experience technical difficulties during a major exam, ***immediately*** contact HonorLock support using either the in-exam chat feature (bottom right of the screen) or the live chat at <https://HonorLock.com/support>. For non-exam technical issues, contact the SPC Help Desk at 806-716-2600.

Major Exam Proctoring Requirements. All major exams are given online and ***must*** be proctored using HonorLock with an ***external*** webcam. I personally review exam recordings to ensure grading accuracy and to verify flagged misconduct. You are responsible for meeting all requirements below.

- **Valid photo ID shown.** The exam software prohibits taking the exam until your identity is verified.
- **Complete room/environment scan.** Incorrect or incomplete scans result in a zero.
- **Correct webcam placement.** Your computer, both hands, and face must be visible throughout the exam. No obstructions should be placed in front of the camera. Incorrect placement results in a zero.
- **Microphone on and recording.** A zero will be awarded if the microphone is not on and recording for the entire exam. Ensure clear audio (no fans, TVs, or excessive background noise).
- **Sufficient lighting.** Insufficient lighting results in a zero on the exam.
- **Remain in webcam view.** Leaving the webcam view for any reason results in a zero. If you need to take care of a childcare mid-exam, take the camera/computer with you so you remain on screen.
- **Approved testing environment and surface.** Exams taken on a bed receive a zero. You are not required to test at home. Contact me for troubleshooting help about your testing location.
- **No unauthorized materials.** Any unauthorized materials (books, notes, blank paper, phones, additional devices, headphones/earbuds or AI tools) near the testing area result in a zero.
- **Autofill and spellcheck disabled.** Use of autofill, predictive text, or spellcheck results in a zero.
- **Do not close or exit the exam.** Once you begin an exam, you may not close it unless instructed by HonorLock support for technical reasons (with chat verification). A 30% penalty per instance applies.
- **Appropriate attire.** Dress as you would for a face-to-face class. Inappropriate attire results in a zero.
- **No talking, music, or audio.** Talking to yourself, with any adult, or playing music / audio recordings results in a zero. This includes text-to-speech readers any other tool that reads exam content aloud. These tools may be used during an exam only if approved through Disability Services. Otherwise, use will result in a zero. Talking with children for childcare reasons is permitted if you remain on camera.
- **Professional conduct.** Vulgar or disrespectful language mid-exam results in a zero.
- **Cover additional screens.** Any TV, additional monitor, or other computer screen in the room that is not being used to take the exam must be completely covered with a sheet, towel, or similar opaque covering during testing.
- **Cover reflective surfaces.** Mirrors and other reflective surfaces in the testing area must be completely covered with a sheet, towel, or similar covering during testing.
- **Do not obstruct the front-facing camera.** Nothing—including tape, paper, or any other material—may cover or obstruct your computer's front-facing camera.

- ***Immediately position the external camera after the room scan.*** As soon as you complete the required room scan, immediately place the external camera in the required testing position so that it clearly shows you and the testing area. Obscuring the camera view includes:
 - Covering or blocking the camera.
 - Remaining off camera for an extended period.
 - Allowing the camera to show a close-up of something other than the testing area, such as the ceiling, wall, desk, or another object.

Obscuring the camera will result in a zero on the exam.

Consequences for violations are suspended on the prior knowledge quiz only, which is used to identify and correct issues. Feedback will be provided after this quiz. Penalties apply to all subsequent exams.

Academic Integrity. Honesty and ethical behavior are expected, and South Plains College Student Conduct guidelines apply to all work in this course. Violations will result in a zero and may be referred to the college for additional disciplinary action. If you are unsure whether something is allowed, ask before submitting work or beginning an exam.

Institutional Policies. Disabilities, Non-Discrimination, Title IX Pregnancy & Parenting Accommodations, CARE (Campus Assessment, Response & Evaluation), Intellectual Exchange, Campus Concealed Carry, COVID-19, and AI policies can be found at: <https://www.southplainscollege.edu/syllabusstatements/>

Biology 2402.181 Tentative Assignments Schedule Fall 2026

Important dates

Aug 24	First day of class
Aug 30	Last day to drop without it showing on your transcript
Sep 7	Labor day holiday – All SPC campuses closed
Oct 8	Last day to drop with a “W” on your transcript
Oct 15	Final exams day

*All assignments are due at 11:59 PM CST. You are welcome to work ahead at any time!
The instructor reserves the right to make changes to this schedule as necessary.*

Due Date	Week 1 assignments	Webcam needed?	Done?
M – Aug 24	Orientation Videos	---	
	Am I Ready? Quiz	---	
	Study Schedule	---	
	Prior knowledge quiz	Yes	
	Course messages and announcements quiz	---	
	Student learning survey	---	
T – Aug 25	Videos: Heart #1	---	
W – Aug 26	Videos: Heart #2	---	
Th – Aug 27	Videos: Heart #3	---	
F – Aug 28	Online tutorial: Heart, Quizzes: Heart	---	

Due Date	Week 2 assignments	Webcam needed?	Done?
M – Aug 30	Videos: Blood Vessels #1	---	
T – Sep 1	Video: Blood Vessels #2	---	
W – Sep 2	Videos: Blood Vessels #3	---	
Th – Sep 3	Videos: Blood Vessels #4	---	
F – Sep 4	Online Tutorial: Blood Vessels	---	

Due Date	Week 3 assignments	Webcam needed?	Done?
T – Sep 8	Major Exam: Heart & Blood Vessels	Yes	
W – Sep 9	Videos: Blood #1	---	
Th – Sep 10	Videos: Blood #2	---	
F – Sep 11	Videos: Blood #3	---	

Due Date	Week 4 assignments	Webcam needed?	Done?
M – Sep 14	Online Tutorial: Blood	---	
T – Sep 15	Videos: Lymphatic & immune systems #1	---	
W – Sep 16	Videos: Lymphatic & immune systems #2	---	
Th – Sep 17	Online tutorial: Lymphatic & immune systems	---	
F – Sep 18	Major Exam: Lymphatic & Immune systems	Yes	

Due Date	Week 5 assignments	Webcam needed?	Done?
M – Sep 21	Videos: Endocrine system	---	
T – Sep 22	Online tutorial: Endocrine system	---	
W – Sep 23	Videos: Reproductive system #1	---	
Th – Sep 24	Videos: Reproductive system #2	---	
F – Sep 25	Online Tutorial: Reproductive system	---	

Due Date	Week 6 assignments	Webcam needed?	Done?
M – Sep 28	Major Exam: Endocrine & reproductive systems	Yes	
T – Sep 29	Videos: Digestive system #1	---	
W – Sep 30	Videos: Digestive system #2, Online tutorial: Digestive system	---	
Th – Oct 1	Videos: Nutrition, Online tutorial: Nutrition	---	
F – Oct 2	Major Exam: Digestive system & nutrition	Yes	

Due Date	Week 7 assignments	Webcam needed?	Done?
M – Oct 5	Videos : Respiratory system #1	---	
T – Oct 6	Videos : Respiratory system #2, Online tutorial: Respiratory system	---	
W – Oct 7	Videos: Urinary system #1	---	
Th – Oct 8	Videos: Urinary system #2	---	
F – Oct 9	Online tutorial: Urinary system	---	

Due Date	Week 8 assignments	Webcam needed?	Done?
M – Oct 12	Videos: Homeostasis	---	
T – Oct 13	Online tutorial: Homeostasis	---	
W – Oct 14	Major Exam: Respiratory & Urinary Systems and Homeostasis	Yes	
Th – Oct 15	Optional Final Exam: All Topics	Yes	