

Biology 287: Essentials of Human Anatomy
Fall 2018 Syllabus and Schedule
Lecture: MW 8-9:15, CBB 101
Labs (CBB 320): M 10-11:50 am, T 8-9:50 am, T 10-11:50 am

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Office: 154 CBB, 715-346-2366

Office hours: Monday 2-4 pm, Wed 12:30-2:00 pm, and by appointment

Course Description:

Examine human anatomy using models, diagrams, and digital media. Provides a foundational introduction to human structure and function. Recommended for students interested in physical education, nursing, health promotion and wellness, or for students planning to take BIOL 387 who have minimal background knowledge in human anatomy. This course does not fulfill the Biology major requirement. (Prereq.: BIOL 101 or BIOL 160 or permission of instructor.)

Student Learning Outcomes:

Students completing this course will attain varying levels of proficiency in their ability to:

1. Identify anatomical structures of the human body.
2. Describe anatomical structures in discipline specific terms, and relate their forms to their functions.
3. Deduce functions and predict effects of injury based on general anatomical principles.

Required texts:

Human Anatomy by Marieb, Wilhelm, and Mallat, 8th Ed.

A Visual Analogy Guide to Human Anatomy by Krieger, 4th Ed.

Optional texts:

A Photographic Atlas for Anatomy & Physiology by Hebert, Heisler, Krabbenhoft, Malakhova, and Chinn, 1st Ed

Suggested Supplies:

A good set of colored pencils.

Attendance Policies

Attendance at lectures will help you to perform well on exams. There is no formal attendance requirement for lectures, but there are often quizzes, assignments, and activities during lecture for which you will receive points. If you are absent from lecture, you will not be able to make up these points.

Your lab activities count for approximately 40% of your grade in this course. Attendance in labs is required. Each week, completion of diagrams and participation in activities will be worth up to 4 points. You must be present to win. There are no make-ups for lab reports missed due to absence. Labs must be submitted when requested. Late labs will NOT count toward your grade. Lab materials will be covered on the exams administered in Lecture (see exam attendance below.)

Attendance at exams is required. In general, the reasons that you miss an exam should be the same as those for which you would miss your wedding or a job interview. Make-up exams are difficult to administer, and students usually do poorly on them. Because of this, it is best to avoid make up exams if you can. If, however, you are very ill, in court, have a dental emergency, death in the family, etc., you can take a make-up exam. In order to qualify for a make-up exam, you must provide a written, verifiable excuse from an authorized party (doctor, dentist, minister, etc.) within one week of the missed exam. This excuse should clearly articulate that you were UNABLE to make it to class for the exam, including a timetable for restriction from work or school. **All make-ups for Exams I and II will be held in the lab room at 4 pm on December 15, 2018.** If you have a conflict with this time, please inform me in advance, so other arrangements can be made for your make-up exam. Because of the difficulty of setting up lab practical exams, all make up lab practicals will be based on photographs, not actual models. **Make-ups for Exam III and the final exam will be by appointment.**

Grading

My philosophy of grading is that **student learning is paramount**, and should be rewarded even if it does not occur according to *my* schedule. Therefore, this course is designed to allow you to improve your grade when possible. Your grade in this course will be based on the following:

1. **Exams.** Exams I-III will consist of a paired set, one exam given in during the lecture and one “during” the lab. (You will sign up for a time to take the lab practical on a single day, Tuesday of the week in question, so that the exam isn’t spread out for multiple days). Lecture exams will cover conceptual material from the lectures and the text. Lab exams will be practical, involving the identification of structures, and descriptions of their functions. All exams will contain a combination of T/F, multiple choice, fill-in-the-blank, short answer/essay, and/or matching questions. Exams I-III (lab + lecture) will be worth 50 points each (total of 100 pts for each paired set), and the Final exam will be worth 100 points. Consult your schedule for the exact date of each exam.
2. **In-Class Quizzes.** There will be activities and/or quizzes during each lecture. Quizzes will cover material from the previous lectures and/or the day’s assigned reading. In order to do well on these quizzes, it is essential that you **STUDY EVERY DAY.** Each quiz or activity is worth 3 points. Students not in attendance will NOT be allowed to make up these points. Quizzes will not be announced. There will be about 69 points available during the term. This allows you some flexibility, since you can miss a couple of quizzes, or score less than perfect on several, but still have the ability to score all 60 points.

In-Class Activities. For the duration of the term, the class will be divided into two “teams.” During most lectures, a member of each team will be chosen to compete for fabulous prizes and team points. Each student will be called upon to participate at least once during the term. Participation will result in a “get out of quiz free” pass, which you can apply to any quiz you choose—even after you’ve taken the quiz. (So, if you catastrophically mess up on a quiz, no harm, no foul). At the end of the term, the team with the most points will be declared the winner.

All members of the winning team will be given a 6-point Bonus. (That is an automatic bump-up of 1%). Don't let your team down. Come every week ready to participate. Study a little every day to increase your chances of winning your matches.

3. **Lab activities:** Each lab will be associated with activities worth 4 points. The total points available from lab is 40 points. There are no make-ups for missed labs. You will be allowed to drop your lowest weekly lab score.
4. **On-Line Quizzes:** You never know you what you **don't** know until you have to put knowledge into practice. Just as athletes need to practice their sport to master it, students need to practice answering test questions in order to master the skills required for taking exams. Material will be drawn from lecture, lab, and associated readings. Each quiz will be worth up to 10 points. Your quiz scores will accumulate until you reach a maximum of 100 points. Quizzes are timed. Don't start them until you're sure you're ready, or you won't make it through all of the questions!
5. **Extra Credit:** Because interesting opportunities for learning sometimes come up (visiting lecturers, special events, etc), I will occasionally announce small assignments that will yield up to 5 points of extra credit each. Extra credit points will be added to your course total at the end of the term. No extra credit will be provided at the request of students as a means of grade improvement. No more than 10 extra credit points will count toward your grade. Extra credit is added to your score at the end of the term.
6. **Level up Bonus:** Every two weeks, each student's percentage score will be compared to the student's percentage score at the previous 2-week benchmark. If you level up (i.e. go from one grade to the next higher grade) you will receive 2 level up-bonus points. No more than 14 bonus points will count toward your grade.

Grading Breakdown

Exams	4 @ 100 points	400 points
In Class Quizzes and Activities	3 pts @ up to 60 points	60 points
Lab Activities/quizzes	Best 10 of 11 @ 4 points	40 points
On-Line Quizzes	12@10 points, up to 100 points	100 points
Total		600 points

Grading Scale

A = 93-100%	B+ = 87.0-89.9%	C+ = 77.0-79.9%	D+ = 67.0-69%
A- = 90.0-92.9%	B = 83.0-86.9%	C = 73.0-76.9%	D = 60.0-66.9%
	B- = 80.0-82.9%	C- = 70.0-72.9%	F = <60%

Grades will be available to students on the class site at the course Canvas site. Privacy laws preclude the distribution of grades via email or the phone.

Safe Learning Environment

UWSP values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, we have developed a set of expectations for all students and instructors. This set of expectations is known as the *Rights and Responsibilities* document, and it is intended to help establish a positive living and learning environment at UWSP.

Academic Misconduct

All acts of dishonesty in any work constitute academic misconduct. This includes, but is not limited to, cheating, plagiarism, fabrication of information, misrepresentations of a student's academic performance, and abetting any of the above. This includes submitting papers that reflect the work of a group rather than the work of an individual. **(Be very careful about this. Although you may work in groups for your labs and final lab report, the written work you submit to me MUST BE YOUR OWN INDEPENDENT COMPOSITION.)** The Academic Standards and Disciplinary Procedures of the University of Wisconsin will be followed in the event that academic misconduct occurs.

Disability and Assistive Technology Center

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for student with disabilities. If you are registered with the Disability and Assistive Technology Center, please contact me as soon as possible to plan any course accommodations that may be necessary. If you have a disability but have not contacted the DATC, please call 346-3365 or visit 609 LRC to register for services.

Lecture Schedule

Date	Lecture Topics	Reading	Assignments
W Sept 5	1. Human Body: An Orientation	Syllabus, Chapter 1	Online Review
M Sept 10	2. Tissues	Chapters 4	Quiz 1
W Sept 12	3. Integumentary System	Chapter 5	
M Sept 17	4. Bones and Skeletal Tissue	Chapter 6	Quiz 2
W Sept 19	5. Axial & Appendicular Skeleton	Chapter 7 and 8	Level up?
M Sept 24	6. Axial & Appendicular Skeleton	Chapter 7 and 8	Quiz 3
W Sept 26	7. Axial & Appendicular Skeleton	Chapters 7 and 8	
M Oct 1	8. Joints	Chapter 9	Quiz 4
W Oct 4	9. Review exercises		Level up?
M Oct 8			Exam I
W Oct 10	10. Skeletal Muscle Tissue	Chapter 10	
M Oct 15	11. Muscles of the Body	Chapter 11	Quiz 5
W Oct 17	12. Muscles of the Body	Chapter 11	Level up?
M Oct 22	13. Nervous system and nerve tissue	Chapter 12	Quiz 6
W Oct 24	14. CNS	Chapters 13	
M Oct 29	15. PNS	Chapters 14	Quiz 7
W Oct 31	16. Autonomic Nervous system and Visceral Sensory Neurons	Chapters 15	Level up?
M Nov 5	17. Special Senses Overview	Chapters 16	Quiz 8
W Nov 7	18. Review Exercises		
M Nov 12			Exam II
W Nov 14	19. The Endocrine System	Chapter 17	Level up?
M Nov 19	20. The Heart and Blood vessels	Chapter 19 and 20	Quiz 9
W Nov 21	21. The Lymphatic system	Chapter 21	
M Nov 26	22. The Respiratory system	Chapters 22	Quiz 10
W Nov 28	23. Digestive System	Chapter 23	Level up?
M Dec 3	24. Urinary System	Chapter 24	Quiz 11
W Dec 5	25. Reproductive system	Chapter 25	
M Dec 10	26. Review Exercises		Quiz 12
W Dec 12			Exam III Level up?
*****	Final Exam 12:30-2:30		Final Exam

Lab Schedule

Week of	Lab Topics
Sept 3	No Lab. Online Review. Must take until you pass with 80% or greater score. You will receive NO credit for other assignments until you perform at the 80% level on this online review.
Sept 10	Lab 1. Language of Anatomy (Chapter 1). Integumentary System (Chapter 4)
Sept 17	Lab 2. Skeletal System (Chapter 5)
Sept 24	Lab 3. Skeletal System (Chapter 5)
Oct 1	Lab 4. Joints (Chapter 6)
Oct 8	Exam I—Lecture: Monday Oct 8 Practical: Tuesday, Oct 9
Oct 15	Lab 5. Muscular System (Chapter 7)
Oct 22	Lab 6. Muscular System (Chapter 7)
Oct 29	Lab 7. Nervous System (Chapter 8)
Nov 5	Lab 8. Special Senses (Chapter 10)
Nov 12	Exam II—Lecture: Monday, Nov 12 Practical: Tuesday, Nov 13
Nov 19	Lab 9. Blood (Chapter 11) Cardiovascular system (Chapter 12)
Nov 26	Lab 10. Cardiovascular system (Chapter 12) Respiratory system (Chapter 14)
Dec 3	Lab 11. Digestive system (Chapter 15)
Dec 10	Exam III—Practical: Tuesday, Dec 11 Lecture: Wednesday, Dec 12