

Human Anatomy Syllabus BIOL 387 - Spring 2018

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Office Hours: Mondays from 1-3pm and by appointment

Additional Course Information: further information will be provided via the Desire2Learn (D2L) site

Class Lecture Meetings:	Monday, Tuesday, Thursday 3:00-3:50pm	TNR 120
Class Laboratory Meetings:	Section 1 - Mondays 9:00-11:50am	TNR 258
	Section 2 - Tuesdays 12:00-2:50pm	TNR 258
	Section 3 - Thursdays 12:00-2:50pm	TNR 258

Course Description:

BIOL 387 (Human Anatomy) is a 4.0 credit course designed for students to gain an appreciation for the organization of structures within the human body. This will be accomplished via lecture and lab sessions in which students will examine human anatomy using models, histology images, clinical imaging (x-ray, MRI, CT), computer animations, and prosected cadaver demonstrations. This course complements BIOL 385 (Human Physiology) to provide general background in human structure and function.

Prerequisites: BIOL 160 or BIOL 385 and sophomore standing.

Course Learning Objectives:

The overall objectives for this course are for students to...

1. Gain an understanding of the normal gross anatomy of the human body.
2. Gain a basic understanding of the cellular composition of the body (histology).
3. Learn how to communicate with fellow scientists and medical personnel using correct anatomical terminology.
4. Learn the structural and functional relationships of structures in the body, and how these structures are integrated to perform complex tasks.
5. Learn to correlate three-dimensional models to two-dimensional cross sections of the body.
6. Learn ways in which the structure of the body informs its function and vice versa.

Course Learning Outcomes:

As a result of this course, students will be able to...

1. Define general anatomical terms relating to body position and movement.
2. Correlate surface anatomical landmarks with clinically important structures beneath the skin.
3. List the major bones of the body and identify relevant features/sites of muscle attachment.
4. List the major muscles of the body and describe their attachments, action, and innervation.
5. Describe the movement of blood from the heart to target structures (arterial blood supply).
6. Describe how blood is returned from target structures back to the heart (venous drainage).
7. Describe the organization of the gastrointestinal (GI) system and how it acts to provide nutrition to the body and expel waste.
8. Describe the organization and function of the urogenital system.
9. Describe similarities and differences between male and female pelvic structures.
10. Determine functional deficits resulting from damage to anatomical structures.

Required Texts (available at text rental):

- *Human Anatomy*, 7th edition by Marieb, Wilhelm, and Mallat
- *A Photographic Atlas for Anatomy & Physiology*, 1st edition by Hebert & Heisler

Additional Resources (available at text rental):

Although the required text provides the majority of the information students will need to be successful in the course, anatomy is a highly visual subject. As such, students may find the following helpful:

- *An Atlas of Human Anatomy* by Frank Netter (any edition)
Note: the Netter atlas is frequently a required text at the next level of anatomy instruction including at medical/dental/physical therapy school. *highly recommended
- *The Anatomy Coloring Book* by Kapit & Elson
- *Anatomy Coloring Book* by S. McCann and E. Wise

Additional resources including PowerPoint slides and handouts will be distributed via the D2L website.

Grading Scale (out of 100% total):

A ≥ 90	C = 70-74.9
A- = 87.5-89.9	C- = 70-72
B+ = 85-87.4	D+ = 65-67.4
B = 80-84.9	D = 60-64.9
B- = 77.5-79.9	F ≤ 59.9
C+ = 75-77.4	

* B+ or better in BIOL 387 is required if requesting enrollment in BIOL 487 with Dr. Dresang. Additionally, your attendance, professionalism, and anticipated graduation date are also taken under consideration.*

Point Distribution: (see "Assessments" section for a brief description of each assessment)

Lecture exams (x3)	150 points (50 points each)
Lab practicals (x3)	150 points (50 points each)
Quizzes (x6)	60 points (10 points each)
In class activities	40 points
TOTAL	400 points

Assessments:

- Lecture Exams (possible 150 points, 50 points per exam): Exams will be given during regularly scheduled lecture times and are designed to test your knowledge of material covered during lecture sessions. Questions will range in difficulty from simple recall of facts to application-based questions that test critical thinking skills. The learning outcomes at the beginning of each lecture can help guide your studying to make the most efficient use of your study time. It is worth your while to read them.
- Lab Practical (possible 150 points, 50 points per exam): Lab practicals will be given during regularly scheduled lab times and are comprised of 50 identification questions using anatomical models, bones, radiographic, or histological images. Please note that spelling counts! This is standard in anatomy courses. In anatomy, the difference of one or two letters can indicate a separate structure. Keep this in mind while you are studying. Students will be given a list of structures they are responsible for identifying in lab.

- Quizzes (possible 60 points, 10 points per quiz): Quizzes will be given bi-weekly during lecture times and consist of ten multiple choice or short answer questions pertaining to new material covered since the previous exam. These may relate to lecture *or* lab material.
- In-class activities (possible 40 points): In-class activities may include worksheets or other assignments students complete during lecture or lab sessions. These activities may be completed in small groups.
- Self-assessments (0 points): Practice questions will be available through D2L and will also be incorporated throughout lectures. These are ungraded but are a good indicator of the types of questions that will appear on quizzes and tests.
- Extra credit: Extra credit points may be earned periodically during the semester. Students may or may not be aware in advance of opportunities to earn these points.

Professionalism:

Attendance Policy:

- Lecture portion: You are not required to attend lecture beyond the first few sessions. However, if you decide to skip, you do so at your own risk. Students who skip class will not be allowed to make up missed quizzes or other assignments. Additionally, students who regularly skip lecture, but struggle with the course will not be met with sympathy.
- Lab portion: Attendance is required for all lab sessions. 10 points will be deducted from your final point total for each *unexcused* absence. Students should notify the instructor by email if they need to miss lab due to illness or inclement weather so they are not marked as unexcused. Unattended labs can be made up by attending another lab session or completing the lab handout for that week.
- Students should contact the instructor in advance if there is an extenuating circumstance that will prevent them from attending a lab session or lecture session with a known quiz or activity. Absences due to holy days, athletic competitions, military events, etc. **must be disclosed to the instructor at least 3 weeks in advance**. If the excused absence falls on the day of a quiz or exam, the student may take the quiz/exam/practical *prior to* their absence.

Participation: Students are expected to arrive on time, prepared, and ready to be engaged and actively participate in the classroom experience. Tardiness, disruptive behavior, or general lack of attention may result in being asked to leave the room.

Classroom Behavior: I expect nothing short of complete mutual respect and courtesy. It is disruptive to your instructor and fellow students to arrive late, read extra-curricular media, or use cell phones and other electronic devices while class is in session. Surfing the web or on social media during class will result of confiscation of your device for the remainder of the lecture or lab.

Outside Lab Availability and Tutoring:

Tutoring in Math and Science (TIMS) in the Tutoring-Learning Center (TLC) offers free group and drop-in tutoring to support you in your biology classes. In addition, TIMS offers the option for individual biology tutoring sessions. The tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and biology content knowledge to help others succeed. Discussing biological concepts and processes together clarifies and solidifies knowledge, and the tutors are eager to study with you. If you have questions about the schedule or would like to make an appointment, please visit the TLC in room 018 ALB, email (tlctutor@uwsp.edu), or call (715) 346-3568 for information.

Academic Integrity:

Cheating on quizzes or exams will result in a score of 0 for that assignment. Cell phones are prohibited from use during a quiz or exam. Academic dishonesty in any form will not be tolerated and will result in disciplinary action in accordance with UW System Administrative Code. See <http://www.uwsp.edu/centers/rights/RRBOOKLET8-2005-06.pdf> for more information.

Americans with Disabilities Act

In compliance with the Americans with Disabilities Act, I make every effort to honor requests for reasonable accommodations made by individuals with disabilities. If you have a disability and require accommodations, please register with the Disability and Assistive Technology Center (6th floor Learning Resource Center in the Library) and **let me know as soon as possible**. Accommodations can be made most effectively if I receive the requests early in the semester. Requests are confidential.

Community Rights and Responsibilities

UWSP values a safe, honest, respectful and inviting learning environment. A set of expectations for students and instructors, known as the Rights and Responsibilities document, is intended to help establish a positive living and learning environment. For more information, go to <http://www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilities.aspx>.

The Rights and Responsibilities document also includes the policies regarding academic misconduct, which can be found at

<http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyinfo.pdf>.