Biology 387: Human Anatomy Syllabus

Course Overview:

***Times*:**	Lecture:	TNR 120	TRF	9:00 a.m. – 9:50 a.m.
	Lab:	TNR 258	M(1) / W(2)	9:00 a.m. – 11:50 a.m.
			T(3)	11:00 a.m. – 1:50 p.m.
	Exams:	TNR 258	F 10/7, F 11/11, & W 12/21	

***Instructor*:** Lindsay R. Dresang, Ph.D.
Office: TNR 235
Office hours: MW @ 1:00 p.m., R @ 10:00 am, or by appointment
E-mail: LDresang@uwsp.edu
Phone: 346-2627 (Please don't leave voice messages)

***Course Description*:** (Prereq.: BIO 160 or BIO 385, So. st.) Examine human anatomy using models, X-rays, charts, computer animations, and prosected cadaver demonstrations. Complements BIO 385 to provide general background in human structure and function. For students preparing for health care careers.

***Course Objective*:** Anatomy has layers upon layers of detail. While the amount of material covered in this class is daunting, it is likely less than a third of what will be covered in your first year of graduate anatomy. The main objective of this course is to teach you the language of anatomy, establish a basis of complex two- and three-dimensional relationships of anatomical structures, and train you to recognize patterns and relationships (without which would make studying for this course impractical).

***Required Materials*:** Human Anatomy, 7th ed. by Marieb, Wilhelm, and Mallat is required for this course. **You will read the majority of this textbook.** Suggested readings throughout the semester are posted along with the tentative course schedule on Desire2Learn (D2L). Other required readings, handouts, and course packet are available on D2L, and **are essential resources!**

Suggested Resources: Additional materials are posted on D2L, including: a companion atlas to the textbook, anatomical model answer keys, as well as other files/weblinks. Also, a read-only network is accessible on the lab computers to view the textbook's companion animations. While it is essential that you use all available resources in studying for this class, not all materials necessarily need to be printed. Supplemental textbooks are highly recommended but not required, including:

Lippencott Williams & Wilkens Atlas of Anatomy by P.W. Tank & T.R. Gest,
An Atlas of Human Anatomy by Frank Netter (any edition, even the coloring book),
Atlas of Anatomy by Anne M. Gilroy *et al*.,
The Color Atlas of Human Anatomy by P. Kopf-Maier,
A Color Atlas of Histology edited by D. Strete,
Anatomy Coloring Book by S. McCann & E. Wise and published by Kaplan Medical,

or any other anatomy reference text you may have available and find useful. I am always trying to suggest different resources to enhance student learning, so if you have a particular preference at the end of the semester, please provide me with feedback. A number of previous students also recommend electronic applications; I hesitate to list for-pay software applications on the syllabus without pre-testing them myself, but feel free to ask others what has helped them in the past if you are interested.

Lectures & Labs: I will discuss materials from the textbook, course packet, handouts on D2L, and provide demonstrations with anatomical models, X-rays, prosected cadavers, and other materials. Keeping this in mind, it will not be possible to have a complete set of notes if you choose not to attend lecture or lab (see absence policy). Recordings of lectures and lab discussions will be posted, but no recording is ever guaranteed or fool-proof. Anything indicated in the course packet not directly discussed in lab/lecture is ***still fair game for practical-style questions***, and content in the textbook not directly covered in lab/lecture is ***still fair game for scantron-style questions***! The study of anatomy requires your outside commitment to the material *in addition* to what is covered in class. Supervised open lab times and digital libraries of the anatomical models & X-rays are available for outside class review. Cadavers will not be used on assignments.

Course Requirements and Grading:

Letter Grades (rounded at the hundredths):

A = 100-90% A- = 89.9-87.5% B+ = 87.4-85% B = 84.9-80% B- = 79.9-77.5% C+ = 77.4-75%
C = 74.9-70% C- = 69.9-67.5% D+ = 67.4-65% D = 64.9-60% F ≤ 59.9%

**B+ or better is required if requesting enrollment in BIO 487, a Survey in Human Dissection…your attendance, professionalism, consistency, and anticipated graduation / transfer are also considered!*

Point Distribution (pts = points):

Your grade will be based out of **400 points**, although it will be *possible to earn **440 points*** in this class. Here are you possible itemized points:

Graded Item	**Frequency**	**"Out of"**	***(Available)***		**Base Pts**	***(Possible)***
Exams	× 3	@ 110 pts	*(116 pts)*			
Scantron	× 3	@ 58 pts	*(60 pts)*	=	174 pts	*(180 pts)*
Practical	× 3	@ 52 pts	*(56 pts)*	=	156 pts	*(168 pts)*
Lab-based quizzes	× 14	@ 5 pts	*(6 pts)*	=	70 pts	*(84 pts)*
Talks / activities	× 2	*optional*	*(4 pts)*	=	0 pts	*(8 pts)*
Final					**400 pts**	***(440 pts)***

Exams: Each exam will have both a practical component and a scantron-based component. Both parts of the test will be taken at the same time. For the practical component, no word bank is provided, and spelling is taken into careful consideration. For some anatomical terms, a single letter change may drastically alter its meaning, whereas other terms may have multiple names or alternate spelling possibilities. Because of this variability, **I cannot give you a simple guideline of how much partial credit will or will not be awarded when one or two letters are out of place.** If spelling is not your strong suit, you will want to incorporate spelling into your study habits. The scantron used on exams may have more than one letter to fill in for your answer. The types of questions will include matching of terms, diagrams, cross-sections, double-column matching, and *multiple*-multiple choice questions. Scantron entries are final. *Any exam copies withheld will result in forfeiture of your exam grade.*

Quizzes: Quizzes are typically due each week (starting week 2) on Thursdays by noon, although exceptions may be announced by the instructor on a case-by-case basis (i.e., an extension over scheduled holidays, or an adjustment to the course schedule). Quiz questions and exam questions are incredibly similar, and occasionally identical. The biggest difference is that practical-style questions will not evaluate spelling; quizzes will instead include a word bank…then again, misspelled terms *may* be incorrect options in the wordbank. You will have a minimum of 2 attempts on each quiz. Quiz questions will randomize each time, so they might not be repeated on subsequent attempts. **Whichever score of your 2 attempts is higher will be retained in the grade book.**

You are ENCOURAGED to tackle quizzes in small groups of *currently enrolled* BIO 387 students. HOWEVER, you will each need to log-in to your own account to take the quiz. Be forewarned: I am NOT getting involved with who draws the short straw to take the quiz last when all the other group members have gone home! You are allowed to use your notes and class resources, but these quizzes **ARE TIMED @ 30 MINUTES**! D2L will prevent you from making changes once time has expired.

The point of these quizzes is three-fold: 1) ensure you are maintaining the right study pace over each unit, 2) prepare you for the types of questions you will encounter for the exams, and 3) get you in the habit of discussing challenging material with other students. After each quiz is complete, you will have access to *temporary feedback / hints on questions answered incorrectly*. Try to review these topics, and if you are still confused by the topic, talk with me, tutors, other students (preferably before you take the second quiz attempt) to clear things up. Starting one hour after the quiz deadlines pass, you will be able to access the *questions you completed, along with their answers*. You will not have access to *all* of the possible questions, but you can compare with questions other students completed. Make of that what you will…

Talks/activities: On occasion there are speakers or groups providing demonstrations which will significantly tie into the material we discuss in class. I will announce some of these talks or activities as they occur during the semester. If you think there is an upcoming event on campus that I have not announced, you can always check to see if it would count. You will need to complete a write-up of the talk and upload it to D2L. If you cannot attend one of the available talks, an alternate extra credit activity may be devised, but the topic must be pre-approved at the start of unit 3. Examples include a discussion of an appropriate TED talk, a review based on documents in the D2L "extras" folder, etceteras. Page length and additional guidelines are on D2L. You may submit 2 topics / summaries for extra credit worth up to 4 points each, 1 due by Thanksgiving, and 1 due the last day of regular class.

Outside Lab Availability:

Tutoring in Lab: Outside lab availability is purely at the instructor's discretion, as well as the availability of tutors and teaching assistants. Tutors and teaching assistants may need priority use of the available models, and they may also need to close lab early / suspend an open lab session according to unexpected schedule conflicts. Please give tutors and teaching assistants your respect. Group tutoring schedules and open lab times supervised by teaching assistants will be announced sometime after the first week of class. Requests for one-on-one tutoring may also be conducted in the lab, of course, they can also be arranged in the tutoring and learning center as well (a few anatomical models are available there).

Open Lab Policy: Should vandalism or theft arise, open lab times will either be restricted or abolished completely. Please let me and/or the overseeing teaching assistant / tutor know if you accidentally break something; do not have me assume the worst. Small parts are also easily lost, so please reassemble and put away any models after you are done studying them. Several complex models have their own container, but even if they don't and you can't figure out how to reassemble a model, at least put all the pieces together in one spot and set them aside for me to put back together later. Teaching assistants are there to help if you have questions about a model, and they can help you put things back together, but they are NOT there to pick up your mess for you!

I encourage group work in the lab, but please be mindful of others studying around you. Group work can occasionally get noisy if you forget your surroundings. It is still acceptable to carry on normal conversation, and even take quizzes in groups, during open lab. Designated quiet open lab times are possible, but only arranged on an as-needed basis. No, models cannot be checked out from open lab.

Electronic Devices:
Please arrive to lecture on time and silence your cellphone or turn it off! Cell phones, laptops, and e-readers are permissible in lab for you to reference the course resources you have not printed. You will not be permitted to use such devices for non-class activities (i.e., Facebook). Should you disregard this policy, you will not be allowed to use personal electronic devices in lab in the future.

Absence Policy:
While you are not required to attend lecture and lab beyond the first few days of class, should you not attend class regularly it will be to your downfall. Anatomy is not a subject you can learn on your own just by reading a textbook. **It is imperative that you study the anatomical models in lab and work with others!** That being said, I cannot make you study how I think you should. If you miss a lecture or lab, you do not need to email me. Download the recording from D2L and borrow someone's notes. In the event that an absence occurs during one of the scheduled exams, YOU MUST CONTACT ME IMMEDIATELY! Not all absences will be honored. **I will notify the registrar that you have stopped attending should you fail to complete 3 assignments in a row.**

Accommodations:
In compliance with the Americans with Disabilities Act (ADA), I will 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*. Requests for accommodations, including university-sanctioned extra-curricular event conflicts, can be responded to most effectively if I receive the requests early. Examples of accommodations include extended quiz durations, scheduling an adjacent room with proctor for quieter test-taking, use of ear plugs, etceteras. Such requests are confidential. More information about the ADA at UWSP can be found here: http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyinfo.pdf.

UWSP Community Bill of 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/SRR-2010/rightsChap14.pdf. The *minimum* penalty for violating this policy is a recorded zero for the assignment in question.

In addition to these standard words on rights and responsibilities, it is prudent to formally discuss class conduct. Specific topics in this class are of a sensitive nature. Please be conscientious of what you say and be respectful of each other. I want to maintain a comfortable learning environment, and also prepare you for appropriate conduct in your future health professions (certain conduct could get you kicked out of a graduate program, for instance). Some of the materials made available in lab have been willed to the university and should be treated with respect. Inappropriate conduct in this class and/or open lab will get you kicked out without re-entry until appropriate conduct is outlined (in writing) and sincerely assured. Please, do not test me on this policy. Additional food-for-thought: if you have an electronic device used for supplemental study in lab, it is prudent to use terminology "as scientific as possible" when conducting searches (your search may still return more than you bargained for). This point is also a good reminder that certain topics that you study maybe shouldn't be reviewed in public areas…most passers-by at a local coffee shop do not want to see cadaver images. Finally, any images taken in lab of the various materials *may* be subject to copyright (think before you post).