

Syllabus for Bio 252

Course Meeting times: Lecture T, Th 1:30-3:30, Lab T or Th 4-6

Course Content: Human anatomy, see topic outline for specifics

Credit Hours: 4

Prerequisite: None, but Chem 105 is required for Bio 253

Instructor: Heather Henson-Ramsey DVM, Ph.D

Office number: 315 A

Office hours: Mon 9-10, Tues 4-5, Thurs 10-12

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Texts – required

- 1) Anatomy and Physiology: The Unity of Form and Function by Saladin, 4th edition or Human Anatomy and Physiology, Marieb, Benjamin Cummings. Sixth or seventh edition.
- 2) Mammalian Anatomy of the Cat, Sebastiani, Auora, and Dale Fischebeck, 1998. Morton Publishing Company.

Texts- optional

- 1) A Photographic Atlas of Histology. Leboffe, Michael J. 2003, Morton Publishing Company.
** esp helpful if you are also taking Bio 253 **
- 2) A Photographic Anatomy and Atlas for the Physiology Laboratory, Van De Graaff, David Morton, and John Crawey, Morton Publishing Company.
** esp. helpful for the visual learner **

Supplies: Dissection kits will be needed. You can purchase as a whole kit or as individual items from the bookstore. Please see list below, note that some items can be shared in a group and some are needed individually. Sharing or having a complete kit for yourself is your choice.

- 1) Mall probe (individual)
- 2) Scissors
- 3) Scapel
- 4) Forceps
- 5) Gloves

Purpose: This is the first semester of a 2 semester course designed to fulfill 4 of the 8 required A & P credits in the following programs: baccalaureate nursing program, radiographic, biology, secondary science, education majors, and the four credits only that are required in kinesiology. The course will focus on anatomy with some discussion of physiology and clinical aspects of anatomy/physiology.

Class philosophy:

Many of you will not have taken an anatomy class previously. You will find the topic a lot of hard work but also very fascinating. My job is to present the material in a way that is understandable. Yours is to put in the appropriate study time that you need as an individual to fully comprehend this material. You are also responsible for letting me know if there is something that you do not understand! I will spend extra time with you or the class as a whole if there are any questions, however, I am not a mind reader, and so you must tell me if you are having difficulties!! Also, attendance is not required though highly encouraged in this class. Students who have to miss class often find that they are extremely far behind. If you have to miss class, it is your responsibility to catch up on the notes. I will help within limits. Always feel free to let me know if there is something that I can do to help you with this class!!! I prefer email as a form of contact and check my email frequently! I look forward to working with you and hope that you have a rewarding semester!

Course Objectives:

- 1) Lecture: An understanding of structure of the following systems: skeletal, muscular, nervous, endocrine, cardiovascular, immunological, respiratory, digestive, urinary, and reproductive.
- 2) Laboratory: Students will learn to correctly identify the following: tissues (to include bone, muscle, blood), bones and their structures, muscles, blood vessels, and structures of the digestive, circulatory, nervous, endocrine, urinary, and reproductive systems.

Evaluation:

- 1) Lecture exams: There are a total of 5 exams including the final, 4 are required and one is dropped. Each exam is worth 100 points. They are given during class time (see topic outline).
 - a. 85% percent of the material on each exam is new material
 - b. 15% of the material on each exam is from comprehensive.
 - c. The first exam is an obvious exception from this rule.
 - d. The fourth lecture exam may be split into two to accommodate coverage of material at the end of the semester.
 - e. There are no makeup exams, unless an emergency and cleared by me in advance!
 - f. Total points: 400**
- 2) Lecture quizzes: There will be multiple lectures quizzes throughout the semester, total 12. They are not prescheduled though I will give you one class period notice. They are worth 10 points each and the lowest 2 quizzes will be dropped.
 - a. Total points: 100**
- 3) Laboratory exams: Lab exams will cover the material since the previous lab exam. There will be 4 lab exams, worth 75 points each. Lab exams are given on Fridays. See the topic outline for dates.
 - a.** They will consist of 75 questions where you have to correctly identify labeled structures.
 - b.** You will have 2 minutes per station and 2 minutes at the end to double check answers.
 - c. Total points: 300**
- 4) Lab quizzes: These will be administered throughout the semester to quiz your memorization of structures. They are not prescheduled though I will let you know when to expect one. There will be 4 of these. Each is worth 25 points.
 - a. Total points: 100**
- 5) Dissection points: Each person can earn points based upon lab participation.
 - a. Total possible points: 25**

There will be no extra credit and grades may be curved if necessary to produce an average of a mid C. Your average and a grade distribution will be passed out to with each exam and quiz.

- A 90-100 (A- 90-92.5)
- B 80-89 (B+ 87-89.5) (B- 80-82.5)
- C 70-79 (C+ 77-79.5) (C- 70-72.5)
- D 60-69
- E below 60

Test grading procedures: All exams will be returned within one week. If you believe that a question has been misgraded, please return the exam to me with the question marked and I will consider it. This must occur within one week following return of the exam!!!!

Test taking procedures:

- 1) all lecture exams and quizzes occur in the lecture room
- 2) space yourself out around the room
- 3) you will have the entire class period to take exams and 20 minutes to take quizzes
- 4) no calculators, cell phones, or hats
- 5) Honesty!!!! Please be aware of your surroundings and protect your own paper. Cheating could serve to raise the curve, which would result in a potentially lower grade for the individual! Any cheating will result in course failure.

Lab availability: After hours availability, to be announced. The lab is available most evening and on the weekends. Just call security at 792-2815 for access. You will be required to have 2 people to access the lab after hours!!! Also, you must let security know when you leave if you are the last person. You may also take your cats home to study, however, they are preserved in chemicals which can be harmful to your pets. So store them safely!!! Dissection trays **may not** be taken home.

Lab safety/policies:

- 1) Clean lab space and sink at end of day.
- 2) Wear closed toed shoes.
- 3) No smoking!
- 4) Please inform me of any injuries asap!!!!
- 5) The lab specimens are preserved in formaldehyde which can be teratogenic. Please discuss this with me if you are pregnant.
- 6) Human cadaver
 - a. please treat with the utmost respect!
 - b. only students enrolled in the class or in the human cadaver class are allowed to view them
 - c. please don't dissect cadavers, only touch with your gloved hands
 - d. be very careful, the tissues are extremely delicate!!!

Study tips:

- 1) You will be provided with a list of concepts and lists of terminology. These are a great starting point!!!
- 2) Summarize and/or read over your notes after each class and before the next class.
- 3) Read the textbook!
- 4) It is recommended that you spend 2 hours out of class for each hour in class.
- 5) Memorization tips:
 - a. flashcards
 - b. study groups
 - c. writing and rewriting notes
 - d. reading textbook
 - e. practice labeling diagrams/figures
 - f. making practice exams for each other
 - g. labeling and quizzing each other in lab

*** I will try to demonstrate these various techniques throughout the semester***

Access and Accommodation statement: If you feel that there is any physical or mental challenge to you that impedes your ability to participate in class, please see me so that we can remove or correct the problem. If you have any special medical needs that may impede quick evacuation in the case of an emergency, please inform me. Assistance with accommodation can also be found at the Office of Student Life, Room 111, Reid Centennial Hall.

Honesty statement: Academic dishonesty will not be tolerated in this course or by this division. If you are caught cheating, you will receive a zero for that assignment and I reserve the right to fail you in the course. Additionally, you will be reported to the office of academic affairs. Please refer to the student code of conduct for more information on this policy:
<http://www.lcsc.edu/osl/SHB/SHBcodeofconduct.htm>.

I look forward to working with you throughout the semester! Feel free to email me or make an appt to discuss any questions or concerns,

Heather