

# Syllabus for Bio 253

**Course Meeting times:** Lecture Tues, Th 1:30-3:30, Labs Wed 1:30-3:30 or Wed 3:30-5:30

**Course Content:** Human physiology, see topic outline for specifics

**Credit Hours:** 4

**Prerequisite:** A 'C' or better in Bio 252, and Chem 111 or 105 as at least a co-requisite

**Instructor:** Heather Henson-Ramsey DVM, Ph.D

Office number: 315 A

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

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## Texts – required

- 1) Human Anatomy and Physiology, Marieb, Benjamin Cummings. Sixth or seventh edition or **Anatomy and Physiology: The Unity of Form and Function** Saladin 4<sup>th</sup> edition

## 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 Visual Analogy Guide to Human Physiology Kreiger, Paul

**Purpose:** This is the second 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 physiology with some discussion of pathology.

## Class philosophy:

Many of you will not have taken a physiology 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:**

Students will learn the basic physiology of the following systems (osteological, muscular, nervous, endocrine, cardiovascular, immunity, respiratory, digestive, urinary, and reproductive) with the goal of being able to comprehend how all these systems work together to maintain homeostasis.

### **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. There are no makeup exams, unless an emergency and cleared by me in advance!
  - c. Exams will include multiple choice, short answer, and one essay question per test
  - d. Three essay questions will be passed out in advance and one of those will be on the exam.
  - e. **Total points: 400**
- 2) Lecture quizzes: There will be multiple lectures quizzes throughout the semester, total 11. They are not prescheduled though I will give you one class period notice. They are worth 15 points each and the lowest 2 quizzes will be dropped. These quizzes will be on Mondays and will cover the material from the previous week.
  - a. **Total points: 135**
- 3) Lab write ups: You will have a write up for each lab. Instructions will be passed out on lab day and the write up will be do the following lab day. The format will vary from case studies to problem sets. Each will be worth 20 points
  - a. **Total points: 160**
- 4) Histology Exam: **80 points**

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 available to you on blackboard throughout the semester.

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. Any cheating will result in course failure.

**Study tips:**

- 1) The provided powerpoints, essay assignments, and assigned readings in the text will be the basis for your studying.
- 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. making practice exams for each other

\*\*\* 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