

Lecture: 11:00 AM -- 12:15 PM, T-R, BSC 3009

Lab:

Section A: 8:00 – 9:50 AM, Mondays, BSC 1203

Section B: 10:00 – 11:50 AM, Mondays, BSC 1203

Section C: 2:00 – 3:50 PM, Mondays, BSC 1203

Instructor: Jim Loughry

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Office Hours: 12:30 - 2:00 PM, Thursdays, or any other time by appointment

TEXT: *Principles of Anatomy and Physiology*, 13th edition, by G. J. Tortora & B. Derrickson, John Wiley & Sons, 2011.

LAB MANUAL: *Laboratory Manual for Human Anatomy and Physiology*, by M. E. Smith and W. J. Loughry, Pearson Custom Publishing, 3rd edition, 2002. Note that the lab manual is optional, as all information concerning the lab exercises is now available online.

LAB KIT: Available in the bookstore. You will need to bring this to lab each week. You may also wish to purchase rubber or plastic examination gloves for use during the lab dissections. These are available at many local stores.

LAB SPECIMENS: Sheep heart and fetal pig. As a result of the institution of lab fees for this course, these specimens will be provided to you. Buckets containing the specimens will be allocated at 1 bucket per 2 students, so you will need to identify a lab partner prior to the beginning of the dissections. As the number of buckets available is limited, it will be difficult to allow anyone to work on their own. However, if you really would prefer this option, see me and we will discuss it.

COURSE GOALS: This course builds on the anatomical information discussed in BIOL 2651 by examining all the major human physiological systems.

EXAMS: There will be 4 exams in this course. The first four exams will each cover 1/4 of the lecture and reading material. Exams will be primarily multiple choice, and each will be worth 100 points. In addition, there will be an optional 100 point final exam. If you take the final I will drop the lowest of your five exam scores in calculating your final grade. Thus, you wind up with 500 potential points from the exams, but only 400 points will count. So, if you have a bad day and bomb an exam, remember it's not the end of the world and that score can be dropped.

MAKE-UPS: Because the final is optional and can make up for a previous exam, there will be **NO** make-ups for any of the first four exams. If you miss one, for whatever reason, that will represent your dropped exam and you will have to take the final. This policy has a couple of important implications: (1) you better not miss more than one

exam, and (2) there is some incentive in taking the first four exams and thus possibly avoiding the final.

GRADING: Exams will be graded and returned to you within a day or two. See the course outline for exam dates. Any questions, problems, complaints, etc. regarding the exams must be taken care of in the week after the exams are returned to you. The statute of limitations on appeals runs out at that time.

Final grades will be based on cumulative points and will be distributed according to the following percentages (the total number of points represented by these percentages is shown in parentheses):

90-100 (540-600) A
80-89 (480-539) B
70-79 (420-479) C
60-69 (360-419) D

If everyone in the class scores above 90%, then everyone will get an A. If no one scores above 90%, then I **may** adjust the curve downward appropriately.

LABS: The exams are worth a total of 400 points. The final 200 points of your grade will be based on your performance in the laboratory portion of this course. There will be three laboratory exams involving identification of specimens, etc. Each lab exam is worth 50 points. These exams **cannot** be made up!! Unlike the lecture exams, a missed lab exam cannot be covered by taking the final. If you miss a lab exam, you forfeit those points. Similarly, because lab exercises change from week to week, labs cannot be made up either. Thus, it is imperative you attend lab each week and crucial that you not miss a lab exam. **IMPORTANT NOTE:** Lab exams will involve some use of your specimens. This means you need to do a good and careful job on your dissections.

In addition to the two lab exams, there will be several lab exercises in which you will collect physiological data. You will analyze these data and turn in short (very short) lab reports. These reports are worth a total of 50 points.

ATTENDANCE: I do not take roll daily and it is your responsibility to decide whether or not to come to class and lab. This should not be taken to mean you do not need to attend lectures and labs. The exams come primarily from the material covered in class and thus it is important to be there so you understand what's going on. Historically (and not surprisingly), I've found that people who come to class everyday and don't miss lab generally do better than those who don't show up.

Important Note: For those of you who do attend class, you **must** turn off all electronic devices (cell phones, pagers, etc) prior to entering the classroom. Failure to do so during lecture will lead to immediate dismissal from the classroom. Failure to do so during an exam will result in a 0 for that exam.

Students with Disabilities: If you are registered with the Access Office, let me know so that we can make any necessary arrangements regarding exams etc.

TENTATIVE COURSE OUTLINE

| <u>TOPIC</u> | <u>READING IN TEXT</u> |
|--|------------------------|
| I. Endocrine & Cardiovascular Systems | Chaps. 18-20 |
| EXAM 1 ---September 6 | |
| II. Cardiovascular, Immune, & Respiratory Systems | Chaps. 21-23 |
| EXAM 2 ---October 2 | |
| III. Digestive System, Metabolism & Urinary System | Chaps. 24-26 |
| EXAM 3 ---October 30 | |
| IV. Body Fluids, Reproduction & Development | Chaps. 27-29 |
| EXAM 4 ---November 29 | |
| FINAL EXAM --- Friday, December 7, 10:15 AM – 12:15 PM (Optional) | |

LAB SCHEDULE:

| <u>Week of:</u> | | <u>Topic:</u> |
|-----------------|----|---|
| August | 13 | NO LAB |
| | 20 | Blood physiology |
| | 27 | Heart physiology |
| September | 3 | LABOR DAY: NO LAB |
| | 10 | Heart anatomy |
| | 17 | Fetal pig blood vessels |
| | 24 | Fetal pig blood vessels (cont.) |
| October | 1 | Fetal pig blood vessels (cont.); Review |
| | 8 | Lab Exam I |
| | 15 | FALL BREAK: NO LAB |
| | 22 | Fetal pig digestive system |
| | 29 | Spirometer & Fetal pig respiratory system |
| November | 5 | Lab Exam II |
| | 12 | Fetal pig urinary & reproductive systems |
| | 19 | THANKSGIVING: NO LAB |
| | 26 | Lab Exam III |