

IPHY 3435 HUMAN PHYSIOLOGY LAB

Lab Coordinator: Bob Hermanson

Office location: Ramaley N189

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Please feel free to contact me with any questions you have about the course.

Lab Instructor: _____

UGTA: _____

Office phone: _____

e-mail: _____

E-mail: _____

Office hours: _____

Required Texts:

Human Physiology: From Cells to Systems –6th Edition, Sherwood

Human Physiology Laboratory Manual, Osadjan and Hayes

Recommended Supplies:

Zip Disk or USB Flash Drive or another data storage device.

Suggested Supplemental Texts:

The Physiology Coloring Book

Evaluations:

A total of 300 points are available during the semester. The breakdown is as follows:

| | |
|---------------------|---|
| Lab Quizzes = | 80 points (8 quizzes x 10 points each) |
| Lab Homework = | 70 points (7 homework assignments x 10 points each) |
| Formal Lab Report = | 30 points |
| Lab Exams = | 120 points (3 exams x 40 points each) |
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| Total = | 300 points |

Grading Scale:

A = 275-300 points; A- = 270-274.9; B+ = 265-269.9; B = 245 – 264.9; B- = 240-244.9;

C+ = 235-239.9; C = 215-234.9; C- = 210-214.9; D+ = 205-209.9; D = 185-204.9;

D- = 180-184.9; F = below 180

NOTE: There will be no make-up exams for any of the lab exams.

Your TA's will explain the formats of the lab quizzes, lab homework questions, the formal lab report and the exams.

Grades of Incomplete will be assigned according to University guidelines and will be given only to students who have been unable to complete the course requirements for reasons beyond their control. Avoiding an undesirable grade does not warrant a grade of Incomplete.

Laboratory Policies and Conduct

NO eating or drinking is permitted in the laboratory. Please step outside of the lab rooms for a snack or a drink. You will be using hazardous chemicals and animal tissue that could contaminate food and drink items.

Attendance at all lab sessions is mandatory. Situations requiring missing some or all of a lab session should be handled through your graduate teaching assistant. There will not be make-up quizzes if your tardiness prohibits you from taking a quiz. Absences due to health issues, deaths, official university activities or a major event beyond your control e.g., a court appearance, car accidents, etc. must be documented with your graduate teaching assistant.

Laboratory Assignments and Late Policies

All lab assignments will be due 48 hours after the end of your lab section. Any assignment turned in after this deadline will be subject to a 10% penalty per day late. Your graduate teaching assistant may require that your homework be submitted electronically. No assignments will be accepted after final grades have been completed.

Disabilities

If you qualify for special testing accommodations because of a disability, please submit to Adam Hayes a letter from Disability Services in a timely manner (1st week of class) so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. (303-492-8671, Willard 322, www.colorado.edu/disabilityservices)

Academic Integrity

All students are expected to abide by the academic standards outlined in the University of Colorado Honor Code. If you are unfamiliar with the Honor Code, you can find it at www.colorado.edu/academics/honorcode. Violations of this policy may include: cheating, plagiarism, academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-735-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). **Discussing exam/quiz material after you have taken the test is cheating!!** Your TA's have been instructed to not give out any answers regarding any quiz or exam until the following lab period.

Religious Observances

Campus policy regarding religious observations requires that faculty make every effort to reasonable and fairly deal with all students who, because of religious observations, have conflicts with scheduled exams, assignments or required attendance. Please notify Bob Hermanson in a timely manner (during the 1st week of lab) of any conflict(s).

Sexual Harassment

The University of Colorado Policy on Sexual Harassment applies to all students, staff, and faculty. Sexual harassment is unwanted sexual attention. It can involve intimidation, threats, coercion, or promises or create an environment that is hostile or offensive. Harassment may occur between members of the same or opposite gender and between any combination of members in the campus community: students, faculty, staff, and administrators. Harassment can occur anywhere on campus, including the classroom, the workplace, or a residence hall. Any student staff or faculty member who believes s/he has been sexually harassed should contact the Office of Sexual Harassment (OSH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the OSH and the campus resources available to assist individuals who believe they have been sexually harassed can be obtained at: <http://www.colorado.edu/sexualharassment>.

Student Subjects

You will be asked to serve as a lab subject throughout the semester. Prior to participating, you **must** read and sign the release form (found on page 101 of the lab manual). Please turn all signed release forms into your graduate TA. Your grade will not be affected by your inability to participate as a subject; however, you are strongly encouraged to participate if possible. The larger the population of subjects to collect data from, the better results you will have throughout the semester.

Animal Use Policy

This course uses animals and animal tissue throughout the semester to demonstrate some very important and interesting principles of human physiology. This experience serves as a valuable teaching tool, and is one afforded to few people. In some labs, the death of the animal will result. While no student will be required to sacrifice an animal, everyone is expected to participate in each lab session to the best of his or her ability. The course facilitators respect the life of each animal and will work to minimize the number of animals used throughout the semester. It is expected that all students will show respect and dignity toward the animals and animal tissue. **If any student treats any animal with disrespect, defaces an animal in any way, or removes an animal or animal tissue from the laboratory, a failing grade will be given for the course!**

Server Access

The lab data generated in this course will be stored on a networked computer called the “Physiology Server.” You will be able to access this server from any Mac (OS X) computer on campus.

- Under the **Go** menu on the desktop, select **Connect to Server**.
- Type in: **physiology.colorado.edu**
- When prompted, Name = **humanphys** and Password = **phys**
- Select **humanphys** from the list of volumes, and click **OK** to connect
- A server icon titled **humanphys** should appear on the desktop. Within **IPHY Phys Data & Templates**, there is a separate folder for each lab that contains the templates you will need for each lab.

Undergraduate Teaching Assistants

Several sections will have an UGTA who will assist the graduate teaching assistant with lab duties, will be available to answer both physiological and protocol questions, and will help with the set-up and breakdown of the labs. If you enjoy the course and finish the semester with a grade of B or better, you will be eligible to participate in a future semester as an UGTA. You will receive 2 credits under IPHY 3010. Contact Bob Hermanson if you are interested in this opportunity. The human physiology labs run in the spring, summer and fall semesters.

Lab Clean-up

Your lab group is solely responsible for keeping the lab bench and space around it clean and for cleaning the space following each lab. Please take extra care to keep the PowerLab and other equipment clean and dry. Messy or dirty lab bench space and/or broken equipment due to ignorance will be subject to receiving a “0” for that day’s lab activities. Thank you in advance for your help and consideration in keeping the lab rooms clean and neat.