
Instructor: Ricardo Rosales                        Course Number: 10442
Lecture: MW 8:00am-11:05am in BONH 301
Lab: TTh 8:00am-11:05am in ALLB 221
Email: ricardo/rosales@canyons.edu Phone: (661) 362-3597
Office: SCOH 306B Office Hours: MW 11:30am-12:30pm or by appointment

Grading Breakdown
Lecture exams - 320 pts (4 x 80 pts each)
Final exam - 200 pts (cumulative)
Lab exams – 200 points (2 x 100 pts each)
Lab reports and quizzes – 80 pts
Total – 800 points

Grading Scale (No +/- grades)
A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = 59% and below

Students will receive one grade for both lecture and lab. The lecture grade will account for 70% of the grade, while the remaining 30% will be accounted for by the lab.

Grade Report

<table>
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<tr>
<th>Exm 1</th>
<th>Exm 2</th>
<th>Exm 3</th>
<th>Exm 4</th>
<th>Lab 1</th>
<th>Lab 2</th>
<th>LR</th>
<th>Quiz</th>
<th>Total</th>
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Course Description: (From COC catalog) Prerequisite: Biol Sci 107 with a grade of “C” or better. Units: 4.00 - UC:CSU 54.00 hours lecture, 54.00 hours lab. Develops a general understanding of the functioning of the human body, including cells and membranes, nerve and muscle function, cardiovascular, respiratory, renal, and gastrointestinal physiology, metabolism, endocrinology and reproduction. Students gain experience in the use of standard and computerized physiological equipment. UC credit limitations: BIOSCI-201, 202 and 204, 205, 250 combined; maximum credit 8 units.

Student Learning Outcome (Lecture): Evaluate and assess the physiological procedures of all human body systems and distinguish the cause of diseases and loss of homeostasis in the body.

Student Learning Outcome (Lab): Appraise physiological testing and data analysis.

Important Information Regarding Biology Degree
http://www.canyons.edu/Divisions/MathSci/Degrees/BiologicalSciences.PDF
Many students do not realize that they qualify for an A.S. degree in Biology from College of the Canyons. This is typically due to the student never being informed that they have completed the courses required for the degree. Please check the link above to see if you qualify or may soon qualify for the Biology A.S. degree. Obtaining your A.S. degree may provide you with greater transfer opportunities to a university.
Required Materials:
- Fox, S.I. *Human Physiology, 13th ed.*
  McGraw-Hill, 2012 with Connect and PhILs
- Lab notebook

Lecture Exam: There will be four lecture exams. They will not be cumulative. Exams will consist of 30 multiple choice, true/false, fill in questions worth 2 points each for a total of 60 points and 2-4 written answer questions worth a total of 20 points. This will bring the total to 80 points per exam. A scantron will be needed for the exams. **There will be no make ups for the exams unless there is evidence of an extreme hardship (i.e. hospitalization, death in the family)! In the event a make-up is granted, the exam may vary from the one given in class.**

Lab Exam: There will be two lab exams, a midterm and a final. Lab exams will consist of short answer questions based on the laboratory assignments performed. **There are no make ups for the lab exams! See above.**

Final Exam: There will be a **cumulative final exam** at the end of the semester. The final will consist of 100 multiple choice and true/false questions worth 2 points each for a total of 200 points. A scantron will be needed for the final. If the score on the final is higher than the lowest lecture exam score, the score on the final will be used to replace that lecture score. **There will be no make ups for the final! See above.**

Lab reports and lab quizzes: There will be 4 lab quizzes during the term worth a total of 40 points. Lab quizzes will include material from previous labs as well as that day’s lab. Students will also be required to submit lab reports for select labs. These will be worth 40 points total. The lab reports will explain what was accomplished in lab and include the following: Title, hypothesis/purpose, materials and methods, results and a summary/conclusion. Reports should be in MLA format, typed in 12 point Times New Roman font and single spaced.

Attendance/Participation: You are expected to **attend every lecture and lab!** If you need to miss a lecture/lab for any reason, please let me know as soon as possible. You will still be responsible for all materials covered in lecture during your absence. **After three unexcused absences you may be dropped from the class.** Participation will consist of the student answering questions during lecture and participating in discussions.

Academic Dishonesty: Any form of academic dishonesty (cheating, plagiarism, etc.) will **NOT** be tolerated! Any student that is found being academically dishonest will be subject to the highest level of discipline! This may result in an “F” in the course and dismissal from the college. See the current COC class catalog for further clarification.

Withdrawal Policy: If a student elects to withdraw from the lecture/lab, it is their responsibility to do so. Deadline to drop without a W: 6/23/14, with a W 7/24/14. Again, **you are responsible for withdrawing from the class.**
Students with Disabilities: Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact the Disabled Students Programs and Services office at (661) 362-3341 in room SCOH 103 to coordinate reasonable accommodations for students with documented disabilities.

Policy on Electronic Devices: During the lecture, all electronic devices are to be shut off. An exception is made for laptops and tablets so that the students may view the lecture notes. If it is discovered that the students are not viewing lecture related material, that exception will no longer be valid. During the lab I encourage the use of any and all technologies to help you further your understanding of the material presented. That includes smartphones, iPods, iPads, laptops and the like. Electronic devices are not allowed during any type of assessment.

MESA: MESA is a program that supports students to excel in math, engineering, and the sciences. MESA is based on a rigorous program that builds academic skills and encourages cooperative solving. There is access to technology, academic advisement, and other support services available. For more information, please contact the MESA Program Director in ALLB-114 or call (661) 362-3448.

TLC: For tutoring in English, Math, Science, and other subjects on a walk-in basis, please visit the state-of-the-art TLC. Call for hours of operation at 661-362-3351.
## Introduction to Human Physiology

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday Lecture</th>
<th>Wednesday Lecture</th>
<th>Tuesday Lab</th>
<th>Thursday Lab</th>
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<tr>
<td>1</td>
<td>6/16: Intro to Physiology Sum. Ch. 1-5</td>
<td>6/18: Ch. 6 Interactions between cells, Ch. 7 Nervous System</td>
<td>6/17: Lab Intro, safety. Cell Physiology</td>
<td>6/19: DNA and enzymes.</td>
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<td>2</td>
<td>6/23: Cont. Ch.7, Ch. 8 CNS</td>
<td>6/25: Lecture exam 1, Intro-8</td>
<td>6/24: PhILs 1, 10,11, (Tentative Diffusion and Osmosis in 221) Quiz 1</td>
<td>6/26: PhILs 12, 13, 14, 16, 17, 18</td>
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<td>3</td>
<td>6/30: Ch. 9 ANS, Ch. 10 Sensory Physiology</td>
<td>7/2: Ch. 11 Endocrine System, Ch. 12 Muscles Physiology</td>
<td>7/1: EEC and Senses in 221</td>
<td>7/3: PhILs 19, 20 Quiz 2</td>
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<td>7/7: Lecture exam 2, Ch. 9-11</td>
<td>7/9: Ch. 13 Blood, Ch. 14 Cardiac output</td>
<td>7/8: PhILs 5, 6, 7, 8 EMG in 221</td>
<td>7/10: Lab Midterm</td>
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<td>5</td>
<td>7/14: Cont. Ch. 14, Ch. 15 Immune System</td>
<td>7/16: Lecture exam 3, Ch. 12-15</td>
<td>7/15: PhILs 25, 26, 27, 29, 30, ECG in 221</td>
<td>7/17: PhILs 31, 32, 33, 34, 35</td>
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<td>6</td>
<td>7/21: Ch. 16, Respiratory, Ch. 17 Kidney physiology</td>
<td>7/23: Ch. 18 Digestive Physiology. Ch. 19, Metabolism</td>
<td>7/22: Blood Typing and ELISA in 221</td>
<td>7/24: PhILs 37, 38, 39, 40 Quiz 3</td>
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<td>7</td>
<td>7/28: Cont. 19. Ch. 20, Reproductive physiology</td>
<td>7/30: Lecture exam 4, Ch. 16-20</td>
<td>7/29: Respiratory physiology in 221</td>
<td>7/31: Urinalysis in 221</td>
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<td>8</td>
<td>8/4: Lee Review</td>
<td>8/6: Cumulative Lecture Final Exam</td>
<td>8/5: Digestive physiology in 221 Quiz 4</td>
<td>8/7: Lab Final</td>
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