

Zoology 2232-002 Physiology Laboratory

Fall 2014; Thursday 9:00-11:50; N229

Instructor: Brian Sardella, Ph.D.

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Office Hours: MW 2-3, or by Appt.; room N270

Office Phone: 209-667-3483

Prerequisite: Zoology 2230 or concurrent enrollment

Materials: There is no text for the lab; materials will be posted on Bb a week in advance

Objective: Hands on activities to demonstrate the principles of human physiology.

Attendance: Students are **required** to attend all lab sessions. Please arrive in a timely manner. Any missed labs not arranged in advance will result in a 5% decrease in your entire grade and a zero for lab work that week, unless the student has a documented medical emergency.

Pre-Lab Quizzes: Short quizzes will be given at the start of each lab, these should take no more than ten minutes and are intended to test your knowledge of the upcoming lab. In order to success on these quizzes, you will be required to have reviewed and understood the lab exercise for the week prior to lab. All lab materials will be available on Blackboard for one week prior to each lab.

Lab Assignments: Your group will be required to turn in the completed lab assignment at the start of the following week's lab. Late assignments will be accepted for only half credit after this time. Lab reports/exercises will be graded on their content as well as their presentation and correct use of spelling/grammar.

Lab Exams: Two Lab exams will be given that will cover the material from Lab class only (ie; no 2030 material). Exams can only be missed with a documented physician's note or other family emergency. If you anticipate missing these or ANY other week of lab, you must make prior arrangements and have a legitimate reason for your absence. Spelling and grammar always count!

Evaluation:

Two Lab Exams	200
12 Pre-Lab Quizzes	60
13 Lab Reports	130
Participation	10
TOTAL	400

Grading Scale: A percentage of total points will be calculated, and the following scale used

A: 100-93; **A-:** 92-89; **B+:** 88-86; **B:** 85-83; **B-:** 82-79; **C+:** 78-76;

C: 75-73; **C-:** 72-69; **D+:** 68-66; **D:** 65-60; **F:** 59-

Academic Dishonesty: There will be a zero tolerance policy for academic dishonesty, this includes, but is not limited to, cheating, plagiarism, and use of course materials in an inappropriate manner such as posting online. Violating this policy will result in a failing grade for the course and referral to the Student Judicial Affairs Office. See University code of conduct for more info:

<http://www.csustan.edu/judicial-affairs/student-responsibilities>

TENTATIVE Schedule

Thursday	Topic	Handout	Biopac	PhysioEx 9.0
8/28	Scientific Method**	Homeostasis		
9/4	Membrane Transport	Diffusion and Osmosis		
9/11*	Enzymes	Digestion		
9/18	Metabolism	Glucose Lab		
9/25	Neurons	Action Potential		
10/2	GSR, Reaction Time	Nerve Lab	9, 11	
10/9*	Senses; Review			
10/16	LAB EXAM I ; Endocrine	Endocrine System		4(1,3)
10/23	Muscle Physiology		1, 2	
10/30	Heart and ECG		5,7	5(6,4); 6(1)
11/6*	Pulmonary Physiology		12, 13	
11/13	Renal Physiology	Urine Lab		
11/20	Acid/Base Regulation	Acid/Base		10(1-4)
11/27	<i>NO LAB-Thanksgiving</i>			
12/4	LAB EXAM II			

*Zoology 2230 Exam Weeks (Grobner)

** No Pre-Lab Quiz