

Summer 2007
COURSE SYLLABUS

BIO 3422: GENERAL PHYSIOLOGY LABORATORY

INSTRUCTOR Eddie Hernandez, M.S.
OFFICE HOURS: Physiology lab (1604) TBA
OFFICE PHONE: 458-7899 (Physiology Lab) 458-4458 (Dept. of Biology)
EMAIL: edaggie94@satx.rr.com
VENUE: SB 3.01.48
LABORATORY TIME: **M/W/R 8:00 - 1:00 PM**

TEXTBOOK: Experiments in Physiology: A Laboratory Guide for General, College physiology
By Grimes *et al.*, and Supplemental Material

COURSE OBJECTIVE: The objective of this course is to provide you with a basic understanding of the physiological processes in living systems employing methods and instruments of biological research. Concurrent enrollment in BIO 3413 is recommended.

GRADING POLICY and Course Policies: Please refer to your lab manual for course policies.

<i>Grade to be allocated</i>	Quizzes	20%
A = 90 or more	Lab Reports	20%
B = 80 – 89	Midterm	25%
C = 70- 79	Final	25%
D = 60 – 69	Group Presentation	10%
F = less than 60	Total	100%

EXAMINATION SCHEDULE: Please see attached course outline. Examination time will be announced later.

CLASSROOM BEHAVIOR EXPECTATION-Students are expected to assist in maintaining a classroom environment that is conducive to learning. To assure all students have the opportunity to gain from time spent in class, students are prohibited from engaging in any form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.

There will be no make-up quizzes. Make-up examinations are given only under certain extenuating circumstances and are generally **MORE** difficult than the regularly scheduled exams. Please see attached policy sheet for details.

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COURSE OUTLINE**

DATE YEAR 2007	EXPERIMENT	CHAPTER	NOTES
06/04	Introduction to the Power Lab	1 (<i>Supplemental Material</i>)	
06/06	Osmosis, Diffusion, Tonicity and Cell Permeability	2	
06/07	Chemical Communication: Steroids	3	Quiz 1 Your Grade ____
06/11	Bioelectrical Communication: Organization of the Somatic Nervous System (Frog Nerve)	5	
06/13	Bioelectrical Communication: Organization of the Autonomic Nervous System (Frog Heart)	6 (<i>Supplemental Material</i>)	Quiz 2 Your Grade ____
06/14	Bioelectrical Communication: Organization of the Somatic and Autonomic Nervous Systems (Pupillary and blink reflexes)	7 (<i>Supplemental Material</i>)	MIDTERM REVIEW
06/18	MIDTERM	—	<i>Labs: 1,2,3,5,6, and 7 (Supplemental material where indicated)</i> Midterm Grade ____
06/20	Muscle Contraction: Frog muscle and human motor points	9 <i>Supplemental Material</i>	No quiz
06/21	Sensory Input	4	
06-5-2007	Last Day to drop a course for grade of "W"		
06/25	Luminescence	8	Quiz 3 Your Grade ____
06/27	The Cardiovascular System	10 (<i>Supplemental Material</i>)	
06/28	Systemic Respiration	12 & <i>supp. Material</i>	Quiz 4 Your Grade ____
07/02	Group Presentation Final Exam Review	—	
07/04	INDEPENDENCE DAY HOLIDAY	—	<i>Labs: 4,8,9,10, and 12 (Supplemental material where indicated)</i>
07/09	FINAL EXAM		

Note: Lab experiment content/sequence subject to change at instructor's discretion.