

Summer 2008 (First 5 WKS)

COURSE SYLLABUS **BIO 3422: GENERAL PHYSIOLOGY LABORATORY**

INSTRUCTOR Kalyan C. Nallaparaju
OFFICE HOURS: By appointment only
OFFICE PHONE: 458-7899 (Physiology Lab)

LABORATORY TIME: BIO 3422.01F M/W/R BIO 3422.01S 8:00 - 12:45 PM
COORDINATOR Pramod Kumar, Ph. D. Phone # 458-5497
CLASS ROOM: SB 3.01.48

TEXTBOOK: i) Lab Manual available on WebCT
ii) PhysioEX 8.0 for A&P Laboratory Simulations in Physiology by Zao *et. al.*

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.

COURSE OUTLINE: Please see attached sheet

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

Grade to be allocated		
	Quizzes	20%
A = 90 or more	Lab Report and Home work	15% + 5%
B = 80 – 89	Mid Term	25%
C = 70- 79	Finals	25%
D = 60 – 69	Group Presentation	10%
F = less than 60	Total	100%

EXAMINATION SCHEDULE: Please see next course outline page. 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.

SUMMER 2008

BIO 3422: GENERAL PHYSIOLOGY LABORATORY COURSE OUTLINE

DATE	EXPERIMENT	CHAPTER	NOTES
M 6/2/2008	Introduction to the Power Lab	<i>Exercise 1*</i>	
W 6/4/2008	Osmosis, Diffusion, Tonicity and Cell Permeability	<i>Exercise 2*</i>	Quiz 1 Grade ____
R 6/5/2008	Chemical Communication: Steroids	<i>Exercise 3* & PhysioEx 4</i>	
M 6/9/2008	Bioelectrical Communication-Organization of the Somatic Nervous System	<i>PhysioEX 3</i>	Quiz 2 Grade ____
W 6/11/2008	Bioelectrical Communication-Organization of the Autonomic Nervous System (frog heart)	<i>PhysioEX 6</i>	
R 6/12/2008	Bioelectrical Communication: Organization of the Somatic and Autonomic Nervous System (pupillary and blink reflexes)	<i>Exercise 4*</i>	Quiz 3 Grade ____ MIDTERM REVIEW
M 6/16/2008	MIDTERM (will cover all of the above lab exercises)		Grade: __
W 6/18/2008	Muscle Contraction: Frog muscle and human motor points	<i>Exercise 5*</i>	
R 6/19/2008	Sensory Input	Exercise 6*	Quiz 4 Grade ____
6-23-2008	Last Day to drop a course for grade of "W"		
M 6/23/2008	Luminescence	Exercise 7*	
W 6/25/2008	The Cardiovascular System	<i>Exercise 8*</i>	Quiz 5 Grade ____
R 6/26/2008	Systemic Respiration	<i>Exercise 9*</i>	
M 6/30/2008	Group Presentation Final Review		Quiz 6 Grade ____
W 7/2/2008	FINAL EXAM	__	<i>All Lab Exercises after MIDTERM</i>

*WebCT Lab Manual