

**NSCI/ PSYC 655 BEHAVIORAL NEUROENDOCRINOLOGY
SPRING 2007**

Instructor Information : Dr. Beth Wee (3029 Percival Stern) 314-7548 / bwee@tulane.edu
Office Hours: Mon, Wed 3-5pm, by appointment Course Web Site : <http://blackboard.tulane.edu>
Psychology Dept : 2007 Stern Hall, ph # 865-5331 Dr. Wee's mailbox is # 23.

Course Description, Goals, and Objectives :

Prerequisite: NSCI / PSYC 367 or approval of instructor. An introduction to the roles of steroid and peptide hormones in physiology and behavior. Lectures focus on the hormonal mechanisms that control reproductive and regulatory functions in human and nonhuman species. This course enrolls senior psychology, biology, and neuroscience majors, as well as graduate students from various departments. Students find this advanced course to be challenging, requiring the integration of material from several scientific disciplines including psychology, biology, chemistry, and neuroscience. Most students have strong backgrounds in the sciences. A majority of the students are pursuing pre-medical curricula.



Text : *Introduction to Behavioral Endocrinology* (Nelson, 2005, Third Edition)



Grades : are based on the following point scale listed with the maximal points possible :

Three hourly exams (each worth 30 %)	total = 90%
Final Exam (“take home”)	total = 10%

TOTAL = 100%

- Exams are multiple choice, short answer, and essay and include material from lectures, handouts, articles, and textbook. During exams NO ELECTRONIC EQUIPMENT may be used. Thus, NO CELL PHONES may be used as watches, NO IPODS may be used to play music to help you relax, etc., etc. Failure to comply will result in a zero for that exam.
- Students are expected to adhere to the principles of the Tulane Honor Code. Any violations of this code will not be tolerated. If a student is unsure of how a particular assignment is affected by the honor code, it is his or her responsibility to consult the instructor.

Tentative Syllabus

DATE	LECTURE	CHAPTERS
Jan. 17, 19	Introduction	1
Jan. 22, 24	Principles of Endocrinology	2
Jan. 26, 29	Principles of Neuroendocrinology	2
Jan. 31, Feb.2, 5, 7, 9	Female Reproduction	6
Monday, Feb 12	EXAM 1	1, 2, 6
February 14, 16, 21, 23, 26, 28	Male Reproduction	5
February 19	Mardi Gras	
March 2, 5, 7, 9	Sexual Differentiation	3, 4
March 12, 14	Parental Behavior	7
Friday, March 16	EXAM 2	3, 4, 5, 7
March 19, 21, 23	Spring Break	
March 26, 28, 30	Learning and Memory	12
April 2, 4	Social Behaviors	8
April 6, 9	Easter Break	
April 11, 13, 16, 18, 20	Biological Rhythms	10
April 23, 25, 27	Homeostasis and Stress	9, 11
Monday, May 1	EXAM 3	8, 9, 10, 11, 12
Sat May 12, 8 am – noon	FINAL EXAM	TBA