Attention!

This is a *representative* syllabus.

The syllabus for the course when you enroll may be **different**.

Use the syllabus provided **by your instructor** for the most up-to-date information. Please refer to your instructor for more information for the specific requirements for a given quarter.

SYLLABUS: HORMONES AND BEHAVIOR (Psych 644) Call Number= 18297-7 Winter Quarter 2009 (4 Credits)

Instructor: R.J. Nelson Class meets Tuesdays and Thursdays 11:00-12:18 pm in LZ 002.

Office Hours: Thursdays 12:30-2:00 and by appointment Office: 49 Psychology Building Phone: 614.292.7005; Fax: 614.688.4733; Email: rnelson@osu.edu

Course Assistant: Danelle Wilbraham; Email: wilbraham.1@osu.edu

Course Website: http://www.psy.ohio-state.edu/nelson/644.Psych.htm

Lecture notes may be downloaded from the course website. The material in the course will be presented in a lecture-style format. The goal is to learn about the interactions among hormones, brain, and behavior. If you are having difficulty with any of the material, either in lecture or in the textbook, then please see one of the instructors for help. The instructor is here to facilitate your learning, and that means not only giving lectures, but also consulting with you individually. The quarter is very short, so it is critical to seek assistance as soon as you detect a problem.

SCHEDULE OF LECTURES

DATE	Tentative Topic	Reading
6 JAN	Introduction, aims, requirements, course overview, methods of scientific inquiry	Chapter 1
8 JAN	Endocrine physiology and organs;	Chapter 2

8 JAN	Endocrine physiology and organs; neuroendocrinology	Chapter 2
13 JAN	Sexual differentiation: historical perspective; anatomy and physiology	Chapter 3
15 JAN	Sexual differentiation: behavioral analysis & mediating mechanisms, consideration of primates	Chapter 4
20 JAN	Sexual differentiation: behavioral analysis & mediating mechanisms, bird song	Chapter 4
22 JAN	**FIRST MIDTERM EXAMINATION*** (30% OF GRADE)	
27 JAN	Male reproductive behavior	Chapter 5
29 JAN	Male reproductive behavior II	Chapter 6

3 FEB	Female reproductive cycles: general principles conceptual issues, specific issues emphasizing mammals	Chapter 6
5 FEB	Parental behavior: basic description; hormonal correlates	Chapter 7
10 FEB	Parental behavior: further analyses with emphasis on hormone-pheromone interactions	Chapter 7
12 FEB	Hormones and social behavior	Chapter 8
17 FEB	*SECOND MIDTERM EXAMINATION* (35% OF GRADE)	
19 FEB	Hormones, behavior, and homeostasis	Chapter 9
24 FEB	Hormonal regulation of body mass, eating and drinking	Chapter 9
26 FEB	Hormones, biological clocks and daily and seasonal rhythms	Chapter 10
3 MAR	Psychoneuroendocrinology: hormones and stress	Chapter 11
5 MAR	Hormones, learning and memory	Chapter 12
10 MAR	Hormones and mood, seasonal affective disorder, depression, PMS	Chapter 13
12 MAR	Hormones and mood, environmental endocrine mimics	Chapter 13
17 MAR 2009 9:30 AM - 11:18	****FINAL EXAMINATION****	
PM in 002 LZ	(35% OF FINAL GRADE)	

NB: There are NO make-up exams.

Required Textbook: *Introduction to Behavioral Endocrinology* (2005, Third Edition; Nelson, R.J.; Sinauer Associates)

Recommended Text: *Hormones and Animal Social Behavior* (2005, Adkins-Regan, E.; Princeton University Press)

GRADING POLICY

The final grade is based on the weighted performance on the three examinations. The scores on the exams are 'adjusted' to the top score on each exam which is scored 100%. Thus, \geq 90% and of this high score is graded "A", \geq 80% is graded "B"; \geq 70% is graded "C"; \geq 60% is graded "D"; \geq 50% is graded "F". The final grade is calculated as 30% of Midterm 1 + 35% of Midterm 2 + 35% of Final Exam = Final Course Grade for undergraduates. Please see the instructor for additional information about calculation of grades.

ACCOMMODATIONS FOR DISABLED STUDENTS

The policy of The Ohio State University is to provide every reasonable, appropriate, and necessary accommodation to qualified disabled students. The University's colleges and academic centers evaluate and judge applications on an individual basis and no categories of disabled individuals are automatically barred from admission. The privacy rights of each disabled person are honored to the fullest extent possible. The University's interest in a students disabilities are only for the purpose of accommodating his/her specific disability, thereby providing an academically qualified disabled student access to programs and activities accorded all other qualified students. Whenever generally accessible facilities do not adequately accommodate a specific disability, the University makes every reasonable accommodation and program or facility adjustment to assure individual access. These policies are fully supported and practiced in this class. If you have a disability documented with The Ohio State University Office of **Disability Services (http://www.ods.ohio-state.edu;** 614.292.3307, or visit 150 Pomerene Hall), then please contact either instructor privately by the end of the second week of the quarter so that any accommodations (e.g., large font exams, separate examination facilities) can be made.

ACADEMIC ETHICS

All students enrolled in courses at The Ohio State University should be familiar with the University's policy on academic integrity. The instructor is committed to maintaining a fair assessment of student performance in this course. There are two major ethical considerations in this course. First, the exams are all closed book. No notes may be used during the examination and you may not confer with your fellow students or look at other examinations for answers during the exam period. Prior to the examinations, all students are encouraged to study in small groups to facilitate your preparation for the tests. However, once you enter the examination room, you are expected to work alone.