

## Psychology 620: Hormones and Behavior: Spring 2020

MW 4:00- 5:20 PSY A256

### Instructor:

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Office: Psych B 312  
Office Hours: M, W 11-12 (or by appointment)

This class will introduce concepts in neuroendocrinology in order for students to gain a basic understanding in Background Lectures. Current Literature Review will update and expand on these lectures and will emphasize methods and new directions of research. Class Discussions will focus on 3-4 thought questions, assigned by the instructor, to elicit ideas for Student Presentations. Student Presentations will be 10-15 minute Powerpoints or discussions of recent review articles *which are of particular interest to individual students*.

### Class Schedule

1. Introduction to Neuroendocrinology
  - Background Lectures January 27,29
  - Current Literature Review February 3
  - Class Discussions February 5
  - Student Presentations February 10
2. Sex Hormones: Differentiation, Behavior, Reproduction
  - Background Lectures February 12,17
  - Current Literature Review February 19
  - Class Discussions February 24
  - Student Presentations February 26
3. Homeostasis: Stress, Appetite, Thermal, Thirst
  - Background Lectures March 2,4
  - Current Literature Review March 9
  - Class Discussions March 11
  - Student Presentations March 23
4. Rhythms, Development and Aging
  - Background Lectures March 25,30
  - Current Literature Review April 1
  - Class Discussions April 6
  - Student Presentations April 8
5. Behavioral Neuroendocrinology and Pharmacology
  - Background Lectures April 15, 20
  - Current Literature Review April 22
  - Class Discussions April 27
  - Student Presentations April 29

**Background Lectures:** Powerpoint presentations introducing background information. Students will be provided presentations ahead of time and should be prepared to discuss.

**Current Literature Review:** 2-3 recent publications will be assigned, and students must be prepared to discuss. **Class Participation Credits:25% of grade.**

**Class Discussions:** Students must be prepared to discuss questions and identify gaps in knowledge which can be used in Student Presentations. **Class Participation Credits: 25% of grade.**

**Student Presentations:** These should be centered on each student's individual interests, ideally answering questions arising from previous classes. **Presentation Credits: 50% of grade.**