

**Psychology 106: Behavioral Neuroscience**  
**Winter 2020**

**Professor: Dr. Karen Dobkins, Ph.D.**  
5117 McGill Hall

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**Lecture Notes Available on Canvas** (posted before each class)

**Class Meetings:** Tuesdays and Thursdays: 8:00 – 9:20 am, Center Hall 101

**Professor Office Hours:** Wednesdays, 10 am- 12, Rm. 5117 McGill Hall

**OPTIONAL Text Book:** “Biological Psychology”, 13<sup>th</sup> edition (earlier editions are fine too)  
**James W. Kalat. Cengage**

- Hardcopy (UCSD Bookstore)
- Ebook (Redshelf, see below)
- Loan (Course Reserves in Geisel Library)

**Optional Study Guide:** “Study Guide to Accompany Kalat’s Biological Psychology”  
Packet: Book/Study Guide

<b>TAs</b>	<b>e-mail</b>	<b>Office Hours</b>	<b>Where</b>
Taylor Bondi	<a href="mailto:tbondi@ucsd.edu">tbondi@ucsd.edu</a>	Wednesday, 1 – 3 pm	McGill 3340
So Eun Ahn	<a href="mailto:s1ahn@ucsd.edu">s1ahn@ucsd.edu</a>	Tuesday, 9:30 – 11:30 am	McGill 3501
Allison Weber	<a href="mailto:a3weber@ucsd.edu">a3weber@ucsd.edu</a>	Friday, 3 – 5 pm	Muir Woods Coffee
Tisha Kholiya	<a href="mailto:tkholiya@ucsd.edu">tkholiya@ucsd.edu</a>	Monday, 3 – 5 pm	Muir Woods Coffee

**Purpose:** The goal of this course is to understand *mental processes* and *behavior* in terms of underlying *biological mechanisms*, using evidence from both human and animal studies. The course covers basic anatomy and physiology of the Nervous System and spans a wide range of interesting topics and methodologies, so that students can receive a well-rounded introduction to Physiological Psychology and Neuroscience.

**Format:** Lectures will be based on material in the textbook as well as from outside sources. Also, there will sometimes be guest lecturers who are particularly knowledgeable about a topic. You will be responsible for the material from these classes.

**Exams and Grading:** Grades will be based on three (3) exams (multiple choice only). These exams will *not* be cumulative, but rather, each will cover one-third of the course. The third exam will be given during FINALS week. Each of the three exams will contribute roughly the same to your final grade, but weighted by the number of questions on each exam. **We will provide answer sheets for the exams.** *There are no make-up exams!!*

Grading will be as per university standards, however, grades will be curved upwards if necessary.

≥ 96.67 = A+	86.67 – 89.99 = B+	76.67 – 79.99 = C+	
93.33 – 96.66 = A	83.33 – 86.66 = B	73.33 – 76.66 = C	60 – 69.99 = D
90.0 – 93.32 = A-	80.0 – 83.32 = B-	70.0 – 73.32 = C-	< 59.99 = F

**Extra Credit for Participation in Psychology Experiments:**

You can *increase your final grade* by 1 (percentage) point by participating in *3 hours* of experiments for the Psychology Department (it is **all or none**). After you participate, you need to assign the credits to this class! If you sign up and fail to show without cancelling, however, there are negative repercussions. While you are *not required to take part in these experiments*, your participation can advance your grade from an A- (92.4) to an A (93.4), for example. There is no partial credit! **Sign up through SONA at <https://ucsd.sona-systems.com/>.** **NOTE:** You may instead write a research paper if you do not want to do a SONA study.

**Syllabus**  
**Psychology 106, Winter 2020**  
**Instructor: Dr. Karen Dobkins, Ph.D.**

- 1) Jan 7: **Introduction to Class (Intro)**
- 2) Jan 9: **Major Issues of Biological Psychology (Intro)**
- 3) Jan 14: **Nerve Cells & Nerve Impulses (Chapter 1)**
- 4) Jan 16: **Synapses & Drugs (Chapter 2). Save “Hormones” section for later in the course**
- 5) Jan 21: **Anatomy of the Nervous System (Chapter 3)**
- 6) Jan 23: **Investigating how the Brain Works (Chapter 3 and throughout the book)**
- 7) Jan 28: **Development & Evolution of the Brain, Intelligence (Chapter 4, and a bit from 3)**
  
- 8) Jan 30: ***EXAM #1 (Material from Lectures 1 - 7)***
  
- 9) Feb 4: **Vision (Chapter 5)**
- 10) Feb 6: **Vision, continued, (Chapter 5)**
- 11) Feb 11: **Audition (Chapter 6)**
- 12) Feb 13: **The Mechanical Senses: Vestibular and Somatosensation (Chapter 6)**
- 13) Feb 18: **Circadian Rhythms & Sleep (Chapter 8), Lecturer: Liz Harrison, PhD**
  
- 14) Feb 20: ***EXAM #2 (Material from Lectures 9 - 13)***
  
- 15) Feb 25: **Hormones & Sexual Behavior (Chapter 10, and parts of Chapter 2 and 3)**
- 16) Feb 27: **Emotional Behaviors: Fear, Anxiety, Aggression (Chapter 11):  
*Lecturer: Taylor Bondi***
- 17) Mar 3: **Autonomic Nervous System, Stress and Health (Chapter 11, and part of Chapter 2)**
- 18) Mar 5: **Learning & Memory (Chapter 12)  
*Lecturer: So Eun Ahn***
- 19) Mar 10: **Learning & Memory: Neural Mechanisms (Chapter 12):**
- 20) Mar 12: **Hemispheric Lateralization & Language (parts of Chapter 13)**

**FINAL (Exam #3): T, March 19<sup>th</sup>, 8 am, Location: TBD**  
***(Material from Lectures 15 - 20)***

## Extra Notes:

1) EBOOK: Access to this eBook via Canvas will be delivered by the first day of class. Once logged in your students can choose to opt-in by clicking the **Opt-in Now button**. You will only be charged if you opt-in and stay opted-in past the add/drop deadline (you can opt-out after you opt-in, as long as the opt-out before the add/drop deadline). Students will also receive an email detailing the pricing of this option and additional purchasing options will still be available via the bookstore.

*An eBook is available as one of the most cost effective purchasing option for this course. You can access this eBook by clicking the RedShelf tool within Canvas. If you opt-in to this eBook by clicking the Opt-in Now button your student account will be charged directly. You will also receive an email with the exact amount of this charge. Within the add/drop period you may also opt-out of this option if you decide you'd rather use an alternate format.*

2) DISABILITIES: Any student with a documented disability will be accommodated according to University policy. For details, please consult the Office of Students with Disabilities (OSD): <http://disabilities.ucsd.edu>. If you require accommodation for any component of the course, please provide the instructor with documentation from OSD as soon as possible. *Please note that accommodations cannot be made retroactively under any circumstances.*

3) ACADEMIC HONESTY: I have zero tolerance for academic dishonesty. This includes, but is not limited to, plagiarism, cheating, copying, collaborating with others on solo assignments (papers), using unauthorized aids during test-taking, falsifying doctor's notes, reusing part or all of an assignment from another class without permission, or any other practice which gives you or any other student an unfair advantage in the course. I am here to help you with any questions you may have. If you feel that the course is moving too quickly or you have additional questions, please come to my office hours or email me and I will do my best to help you. Let's all respect each other and UCSD enough to take this class seriously and honestly.