

# ***Psychology 106: Intro to Physiological Psychology*** ***Winter Quarter, 2008***

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

**Phone: 858-534-5434**  
**e-mail:kdobkins@ucsd.edu**

**Lecture Notes Available:** <http://psy.ucsd.edu/~kdobkins/psych106notes.html>

**Class Meetings:** Tuesday/Thursday, 12:30 - 1:50 PM, Solis 107

**Office Hours:** Wednesday, 10:00 – 12:00

**Text Book:** “Biological Psychology”, 9<sup>th</sup> edition (8<sup>th</sup> edition is fine too)  
James W. Kalat  
Brooks/Cole  
**Copies: Course Reserves at Social Sciences and Humanities in Geisel Library**

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

<u>TAs</u>	<u>e-mail</u>	<u>Office Hours</u>	<u>Where</u>
Lisa Williams	<a href="mailto:lewilliams@psy.ucsd.edu">lewilliams@psy.ucsd.edu</a>	Tues 10:15 – 12:15	Room B517, basement of Mandler Hall
Caroline Gee	<a href="mailto:cgee@psy.ucsd.edu">cgee@psy.ucsd.edu</a>	Tues/Thurs 2:00 – 3:00	Room 3318 McGill Hall
Janet Rhee	<a href="mailto:jlrhee@ucsd.edu">jlrhee@ucsd.edu</a>	Friday 9:30 – 11:30	Room 1503, first floor Mandler Hall

**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.

**Format:** Lectures will be based on material in the textbook as well as from outside sources. You will be responsible for, and tested on, material from both the lectures and the textbook, although the exams focus largely on material from the lectures! 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 and short answer). 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 (Exam #1: ~30%, Exam #2: ~33%, Exam #3: ~37%). Bring to exam: PINK scantron, Form #F-1712-PAR-L and a pencil. *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 – 97.66 = A	83.33 – 87.66 = B	73.33 – 77.66 = 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. If you sign up and fail to show, however, this will result in a decrease in your grade by an equivalent amount. (Note: The department requires that you make up 2 hours for every 1 hour missed, in order to increase your grade and not be docked). 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 *Experimetrix* at <https://experimetrix2.com/ucsd/>.

**Syllabus**  
**Psychology 106, Winter 2008**  
**Instructor: Dr. Karen Dobkins, Ph.D.**

- 1) Jan 8: Introduction to Class (Chapter 1)
- 2) Jan 10: Major Issues of Biological Psychology (Chapter 1)
- 3) Jan 15: Nerve Cells & Nerve Impulses (Chapter 2)
- 4) Jan 17: Synapses & Drugs (Chapter 3). Save “Hormones” section for later in the course
- 5) Jan 22: Anatomy of the Nervous System (Chapter 4)
- 6) Jan 24: Investigating how the Brain Works (Chapter 4 and throughout the Chapters)
- 7) Jan 29: Recovery after Brain Damage (Chapter 5, last part)  
*Guest Lecturer: Mark Tuszynski, M.D., Ph.D., Dept. Neurosciences, UCSD*
- 8) Jan 31: *EXAM #1 (Material from Lectures 1 - 7)*
- 9) Feb 5: Development & Evolution of the Brain (Chapters 4 & 5)
- 10) Feb 7: Vision (Chapter 6)
- 11) Feb 12: Vision, continued, (Chapter 6)
- 12) Feb 14: Audition (Chapter 7)
- 13) Feb 19: The Mechanical Senses: Vestibular and Somatosensation (Chapter 7)
- 14) Feb 21: *EXAM #2 (Material from Lectures 9 - 13)*
- 15) Feb 26: Hormones & Sexual Behavior (Chapter 11, and parts of Chapter 3)
- 16) Feb 28: Emotional Behaviors: Fear, Anxiety, Aggression (Chapter 12)  
*Lecturer: Lisa Williams, MA, Dept. Psychology, UCSD*
- 17) Mar 4: Autonomic Nervous System and Health (Chapter 12, and parts of Chapter 3)
- 18) Mar 6: Learning and Memory (Chapter 13)
- 19) Mar 11: Biological Mechanisms of Learning & Memory (Chapter 13)
- 20) Mar 13: Hemispheric Lateralization & Language (Chapter 14)

*FINAL (Exam #3): Tuesday, March 18<sup>th</sup>, 11:30 am – 2:30 pm, Location TBA*  
*(Material from Lectures 15 - 20)*