Psychology 106: Behavioral Neuroscience
Winter, 2017

Professor: Dr. Karen Dobkins, Ph.D.
5117 McGill Hall e-mail: kdobkins@ucsd.edu

Lecture Notes Available: http://pages.ucsd.edu/~kdobkins/psych106notes.html

Class Meetings: Tuesdays and Thursdays: 2:00 – 3:20 pm, Solis 107

Professor Office Hours: Wednesdays, 1 - 3 pm, Rm. 5117 McGill Hall

James W. Kalat
Cengage
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

TAs e-mail Office Hours Where
Chaipat Chunharas chchunha@ucsd.edu Tuesday, 10 - 12 Mandler 2503
Amber Ocampo alocampo@ucsd.edu Monday, 10 - 12 Basic Sciences Building (BSB) 2057
Zach Zivalich (UG) zzivalic@ucsd.edu Thursdays, 12:30 – 1:30 Mandler 1503

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. 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, 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.

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\begin{align*}
\text{Score} & \quad \text{Grade} \\
90.0 - 93.32 & \text{A-} \\
83.33 - 89.99 & \text{B+} \\
76.67 - 79.99 & \text{B} \\
73.33 - 76.66 & \text{C} \\
60 - 69.99 & \text{D} \\
< 59.99 & \text{F}
\end{align*}
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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/
Syllabus
Psychology 106, Winter 2017
Instructor: Dr. Karen Dobkins, Ph.D.

1) Jan 10: Introduction to Class (Intro)
2) Jan 12: Major Issues of Biological Psychology (Intro)
3) Jan 17: Nerve Cells & Nerve Impulses (Chapter 1)
4) Jan 19: Synapses & Drugs (Chapter 2). Save “Hormones” section for later in the course
5) Jan 24: Anatomy of the Nervous System (Chapter 3)
6) Jan 26: Investigating how the Brain Works (Chapter 4 and throughout the book)
7) Jan 31: Development & Evolution of the Brain, Intelligence (Chapter 4, and a bit from 3)
8) Feb 2: EXAM #1 (Material from Lectures 1 - 7)
9) Feb 7: Vision (Chapter 5)
10) Feb 9: Vision, continued, (Chapter 5)
11) Feb 14: Audition (Chapter 6), Lecturer: Chaipat Chunharas
12) Feb 16: The Mechanical Senses: Vestibular and Somatosensation (Chapter 6)
13) Feb 21: Circadian Rhythms & Sleep (Chapter 8), Lecturer: Liz Harrison, PhD
14) Feb 23: EXAM #2 (Material from Lectures 9 - 13)
15) Feb 28: Hormones & Sexual Behavior (Chapter 10, and parts of Chapter 2 and 3)
16) March 2: Emotional Behaviors: Fear, Anxiety, Aggression (Chapter 11)
17) March 7: Autonomic Nervous System, Stress and Health (Chapter 11, and parts of Chapter 2)
18) March 9: Learning & Memory (Chapter 12) Lecturer: Amber Ocampo
19) March 14: Learning & Memory: Neural Mechanisms (Chapter 12)
20) March 16: Hemispheric Lateralization & Language (Chapter 13)

FINAL (Exam #3): Thursday, March 23, 3-6 pm, Location: TBD
(Material from Lectures 15 - 20)