

Syllabus for: Biological Psychology

Semester & Year:	Spring 2014
Course ID and Section Number:	Psych 20 E4801
Number of Credits/Units:	3.0
Day/Time:	TTh 2:50-4:15
Location:	CA 109
Instructor's Name:	Winter
Contact Information:	Office location and hours: CA 132 M-Th 1-2 Phone: 476-4310 Email: mark-winter@redwoods.edu

Course Description (catalog description as described in course outline):

Introduction to the study of the biological bases of behavior. Topics include: biological theories and scientific principles related to the understanding of brain-behavior relationships; general neuroanatomy, neurophysiology; neurotransmission and brain function; invasive and non-invasive research techniques and ethical standards for human and animal research; research studies that have advanced the understanding of physiological, hormonal, neurochemical mechanisms; and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, motivation, learning and memory, consciousness, and psychological disorders. *Prerequisite: Psych 1 General Psychology*

Student Learning Outcomes (as described in course outline) :

1. Analyze how biological processes affect the human mind and behavior.
2. Demonstrate knowledge and understanding representing appropriate breadth and depth in selected content areas of biological psychology.
3. Analyze and/or apply biopsychological research in writing.

Special accommodations: College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS.

Academic Misconduct: Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/ or bearing false witness will not be tolerated. Violations will be dealt with according to the procedures and sanctions proscribed by the College of the Redwoods. Students caught plagiarizing or cheating on exams will receive an "F" in the course.

The student code of conduct is available on the College of the Redwoods website at:

<http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.pdf>

Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods homepage.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

Biological Psychology
Psych 20 – E4801
Spring 2014

Instructor: L. Mark Winter, PhD

Class Website: <http://mycr.redwoods.edu>

Email: mark-winter@redwoods.edu

Phone: 707-476-4310

Office: Creative Arts 132, Eureka Campus **Office Hours:** M-Th 1-2, and by appt.

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Books:

- Kolb, B. and Whishaw, I.Q. (2014). *An Introduction to Brain and Behavior (4th Ed)*. Worth Publishers.
- Cahalan, S. (2013). *Brain on Fire: My Month of Madness*. Simon & Schuster.

You can purchase these books from the CR Bookstore at <http://bookstore.redwoods.edu/> or you from any online vendor.

Student Commitment: This three credit-hour class will require about nine hours per week of your time. You will have to regularly attend class – four or more absences are considered excessive, carefully read textbook chapters, submit thoughtful daily writing assignments, complete a research paper, and successfully demonstrate your learning in exams. Conscientiousness, attention to details, reading, writing, and study skills are critical.

Exams (200 points): The first exam will consist of 80 multiple-choice questions. This is a take-home exam based on the lectures and chapters 1-5, and 8. The second and final exams will each consist of 12 essay questions worth 60 points. You must take the exams at or before its scheduled date for full credit. Late exams are allowed up to one week with a penalty. The final exam must be taken at or before the scheduled date.

Lecture Points (est. 116 point/ 4 pts per class meeting): Near the end of each class you will identify a topic from the lecture to respond and relate to your personal experience. Specifically, you will be asked to: Thoughtfully respond/react to the topic (1 point), relate/apply the topic to your own personal experience (1 point), write a question you have based on the day's topic (1 point), and write readably, good spelling and grammar, and >100 words You must attend the full lecture to receive credit.

Research Paper and Presentation (85 points): This will be a short paper on any biopsychology topic of your choice based on the book *Brain on Fire: My Month of Madness* including an outline (10 pts.), paper (50 pts.) and class presentation (25 pts.).

Please Note: There are no extra credit assignments.

Grade Distribution: **A** = 93% and above, **A-** = 90-92%, **B+** = 88-89%, **B** = 83-87, **B-** = 80-82%, **C+** = 78-79%, **C** = 65-77%, **D** = 60-64%, **F** = 59% and below

Dates	Topic	Readings	Assessment
<p>Weeks 1-5</p>	<p>Part I: Introduction to the Brain and Nervous System</p> <ul style="list-style-type: none"> • Phylogeny and Ontogeny • Anatomy • Function 	<p>Chapters 1, 8, 2-5</p>	<p>Tu/Th Lecture Pts</p> <p>Take Home Exam Feb 20</p>
<p>Weeks 6-10</p> <p><i>Spring Break March 17-21</i></p>	<p>Part II: Endocrine function, Sensation and Perception, and Movement</p> <ul style="list-style-type: none"> • Drugs and Hormones • Vision • Hearing and Language • Movement 	<p>Chapters 6, 9-11</p>	<p>Tu/Th Lecture Pts</p> <p>Exam April 3</p>

Weeks 11-14	Part III: Motivated behavior, Cognition, and Brain disorders <ul style="list-style-type: none"> • Emotions • Hunger and Eating • Sex and Reproduction • Sleep and Dreams • Learning and Memory • Thinking • Abnormal Behavior 	Chapters 12-15	Tu/Th Lecture Pts Final Exam
Week 15	Paper Presentations	<i>Brain on Fire: My Month of Madness</i>	Paper Due May 1
Tue, May 13 3:15-5:15			Final Exam

Note: While I make every effort to follow the standards and schedule of this syllabus there may be times when changes are necessary. I will inform the class through the announcement board and/or class email of any changes.

Code of Conduct: I would encourage you to familiarize yourself with the Student Code of Conduct Standards in the college catalogue under campus policies and regulations.

Students with Disabilities: This class is designed to accommodate students with disabilities. Please contact me directly with specific concerns. For more information regarding the College's services for students with disabilities go to the DSPS website at <http://redwoods.edu/district/dsps/>

