

Syllabus for: Biological Psychology

Semester & Year:	Spring 2015
Course ID and Section Number:	Psych 20 E7100
Number of Credits/Units:	3.0
Day/Time:	Tu/Th 11:40-1:05
Location:	
Instructor's Name:	Mark Winter
Contact Information:	Office location and hours: CA 132 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 – E7100
Spring 2015

Instructor: L. Mark Winter, PhD **Class Website:** <https://redwoods.instructure.com>
Email: mark-winter@redwoods.edu **Phone:** 707-476-4310
Office: Creative Arts 132 **Office Hours:** M-Th 1-2, and by appt.

Course Description: 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*

Course Learning Outcomes:

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

Text:

Kolb, B. and Whishaw, I.Q. (2014). *An Introduction to Brain and Behavior (4th Ed)*. Worth Publishers.

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 (150 points): There are three short essay exams for each 1/3 of the class. The last exam will serve as the final exam. Each exam will each consist of 10 essay questions worth 50 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 10 point penalty. The final exam must be taken at or before the scheduled date. There will be a study guide available one week before each exam.

Chapter Quizzes (150 points): Each chapter will have a Canvas quiz consisting of 20 timed multiple-choice items (each worth ½ pt.) based on the readings from the textbook. Quiz scores are available immediately and correct answers are available after the deadline. You are limited to a total of 30 minutes for each attempt. While technically an open-book quiz, you may not have time to search and find all of the answers in the textbook. You can repeat each quiz as often as you want, with the highest score recorded in the gradebook.

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 (60 points): This will be a short paper on any biopsychology topic of your choice including an outline (10 pts.), and paper (50 pts).

Please Note: There are no extra credit assignments.

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 1-5</p>	<p>Tu/Th Lecture Pts</p> <p>Chapter 1-5 Quizzes</p> <p>Exam 1 Feb 24</p>
<p>Weeks 6-10</p> <p><i>Spring Break March 16-20</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, 8-11</p>	<p>Tu/Th Lecture Pts</p> <p>Chapter Quizzes</p> <p>Exam 2 March 31</p>

Weeks 11-15	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 12-16	Tu/Th Lecture Pts Chapter 12-16 Quizzes Research Paper April 21
Tue, May 12 10:45-12:45	Final Exam		Final Exam

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

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.

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/>

Emergency Procedures: Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room) and review www.redwoods.edu/safety.asp for information on campus Emergency Procedures.

RAVE - College of the Redwoods has implemented an emergency alert system. Everyone is entered already to receive a message at their CR email address. In the event of an emergency on campus, you can also elect to receive an alert through your personal email, and/or phones at your home, office, and cell. This emergency alert system will be available to all students, staff, and other interested parties. <http://www.redwoods.edu/safety/rave.asp>

