

Imperial Valley Course Syllabus

Biological Psychology - PSY200



Basic Course Information

Semester	Summer 2016	Instructor Name	Mark A. Duva, Ph.D.
Course Title/ Catalog #/units	Biological Psychology PSY 200/3 units	Instructor Email	mark.duva@imperial.edu mark.a.duva@live.com
CRN #	30065	Office	1700 - 1714
Room	2734	Office Hours	By Appointment
Class Dates	June 20 – July 28, 2016	Office Phone #	(760) 355-6335
Class Days/Times	MTWR 10:00 AM -12:10 PM		

Course Description

An exploration of the biological basis of human behavior. The development, structure, and functions of the nervous system is thoroughly examined to provide insight into its complex relationship with human behavior, thought, and feelings. The history of neuroscience and methods of scientific inquiry are reviewed. This course also satisfies the general education requirement for a biological science. (CSU, UC)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

1. Describe the action potential and how communication takes place between neurons.
2. Critique current research in biopsychology.
3. Demonstrate an understanding of psychological theory regarding the relationship between physiology, cognition, and emotion.
4. Identify the biological causes of neurological and mental disorders.

Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Outline major events in the history of neuroscience and describe related advances in experimental methodology.
2. List and describe the functions of the structures and organelles of the neuron and discuss synaptic transmission.
3. Identify the functional organization of the human nervous system and the structures which make up the functional subsystems.
4. Summarize the development of the vertebrate nervous system throughout the lifespan and identify problems that may result from delayed or impaired development.
5. Identify and describe sensory structures and processes and discuss how the nervous system initiates and controls movement.
6. Explain the physical regulation of homeostasis and discuss the effect of homeostatic drives on human behavior.
7. Discuss circadian and other cyclical rhythms of the brain and resultant effects on human behavior.
8. Describe the biological controls of emotions and explain the significance of emotions in human behavior and cognitive processes.
9. List and describe the major diseases of the nervous system and explain modern views on the bio/psycho/social nature of mental disorders.

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10. Relate current research findings on the biologic elements of human learning and memory.

Textbooks & Other Resources or Links

Kalat, J. W. (2016). *Biological Psychology*, 12th Edition Wadsworth/Cengage Learning: Belmont, CA
ISBN-10: 1305105400 | ISBN-13: 9781305105409

Course Requirements and Instructional Methods

This syllabus serves as a guide to the class and the required readings. You are expected to read the assigned chapters before coming to class. Exam and quiz questions will come from material covered in class and in the textbook. There will be several quizzes, one (1) midterm exam, and one (1) final exam. Quizzes will be administered in class or as take-home assignments, will be typically announced in advance, and will occur weekly. **BE PREPARED FOR UNANNOUNCED QUIZZES.** It is important to come to class to know when a quiz might occur. Quizzes may include any or all of the following types of questions: multiple choice, true-false, matching, fill-in-the-blank, and short answer/essay. The midterm and final exams are entirely multiple choice, and you must take both. If you do not take quizzes and exams at scheduled times, you may not be allowed to make them up. Similarly, no makeups for exams or quizzes will be given without prior notification and/or documentation of an emergency. Some chapters listed at the end of this syllabus may not be covered in class, but you are still responsible for the material, unless otherwise specified. No work will be accepted over email. If you find that you are having difficulty with the course, you can seek additional assistance (see below). In addition, if you need special accommodations while taking exams or quizzes let me know in advance.

Course Grading Based on Course Objectives

An approximate grade/point breakdown is shown below. Final course grades MAY be based on a curve **DEPENDING ON OVERALL CLASS PERFORMANCE AND PARTICIPATION.**

<u>Graded Coursework</u>		<u>Grade Breakdown</u>
Quizzes	50 Points	A = 90%
Midterm	75 Points	B = 80%
Final Exam	75 Points	C = 70%
Total	300 Points	D = 60%
		F = 59% or less

(Example: $300 \times 90\% = 270$ points for the "A")
(Example: $300 \times 80\% = 240$ points for the "B" and so on)

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- All students are also expected to show up for class each day and stay for the entire class period. A student with continuous, unexcused absences that exceeds the number of hours allowed by college policy week may be dropped without notice.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

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Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor. Consider: specifics for your class/program
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

As for classroom etiquette, you are in college and are expected to act accordingly. While I encourage students to participate and ask questions, inappropriate, disruptive and/or disrespectful behaviors will not be tolerated. These inappropriate behaviors include, but are not limited to, talking to others during class, passing notes, texting on cell phones, doing work for other classes or sleeping. Additionally, turn off your cell phones before coming to class. If I feel that anyone is disrupting the learning environment for any reason, that person or persons may be asked to leave, may have points deducted from their grades, or may be automatically dropped from the course.

Academic Honesty (Dishonesty)

- Plagiarism is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to 'cite a source' correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

A single act or repeated acts of cheating may result in a zero (0) on the exam or assignment and possible an immediate F in the course and/or further disciplinary action. Any such activity may be reported by the instructor to the Campus Disciplinary Officer for further action and investigation. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a third party, commercial "study" or "term paper" service.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. As for classroom etiquette, **you are in college and are expected to act accordingly**. While I encourage students to participate and ask questions, inappropriate, disruptive and/or disrespectful behaviors will not be tolerated. These inappropriate behaviors include, but are not limited to, talking to others during class, passing notes, texting on cell phones, doing work for other classes or sleeping. Additionally, **turn off your cell phones before coming to class**. If I feel that anyone is disrupting the learning environment for any reason, that person or persons may be asked to leave, may have points deducted from their grades, or

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may be automatically dropped from the course. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at

http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Additional Help (if applicable)

- **Blackboard** support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- **Learning Labs:** There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- **Library Services:** There is more to our library than just books. You have access to tutors in the Study Skills Center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100. The office telephone 760-355-6313. Please contact them if you feel you need to be evaluated or already have documented need for educational accommodations.

Student Counseling and Health Services

All IVC students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a full-time mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Information Literacy

Required Language: Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated Class Schedule / Calendar

	<u>TOPICS</u>	<u>READINGS</u>
06/20 Week 1	Introduction	Introduction
	Introduction	Introduction
	Nerve Cells and Nerve Impulses	Ch. 1
06/27 Week 2	Nerve Cells and Nerve Impulses	Ch. 1
	Nerve Cells and Nerve Impulses	Ch. 1
	Synapses	Ch. 2
	Synapses and Drugs	Ch. 2
07/04 Week 3	Synapses and Drugs	Ch. 2
	Anatomy of the Nervous System	Ch. 3
	Anatomy of the Nervous System	Ch. 3
	MIDTERM EXAM	

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07/11	Week 4	Genetics, Evolution, Development and Plasticity	Ch. 4
		Genetics, Evolution, Development and Plasticity	Ch. 4
		Movement	Ch. 7
		Movement	Ch. 7
07/18	Week 5	Internal Regulation	Ch. 9
		Internal Regulation	Ch. 9
		The Biology of Learning and Memory	Ch. 12
		The Biology of Learning and Memory	Ch. 12
07/25	Week 6	Emotional Behaviors, Psychological Disorders	Ch. 11, 14
		Emotional Behaviors, Psychological Disorders	Ch. 11, 14
		Review	
07/28	Last Day	FINAL EXAM** (07/28)	Comprehensive

****THE FINAL EXAM IS ON TH LAST DAY OF OUR CLASS on Thursday 7/28 during regularly scheduled class time.**