

Course Syllabus [▲]

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Imperial Valley College

Biological Psychology -
PSY200



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. (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:

- Describe the action potential and how communication takes place between neurons. (ILO1, ILO2, ILO3)
- Critique current research in biopsychology (ILO1; ILO2; ILO3; ILO4; ILO5)
- Demonstrate an understanding of psychological theory regarding the relationship between physiology; cognition and emotion. (ILO1,

ILO2, ILO3)

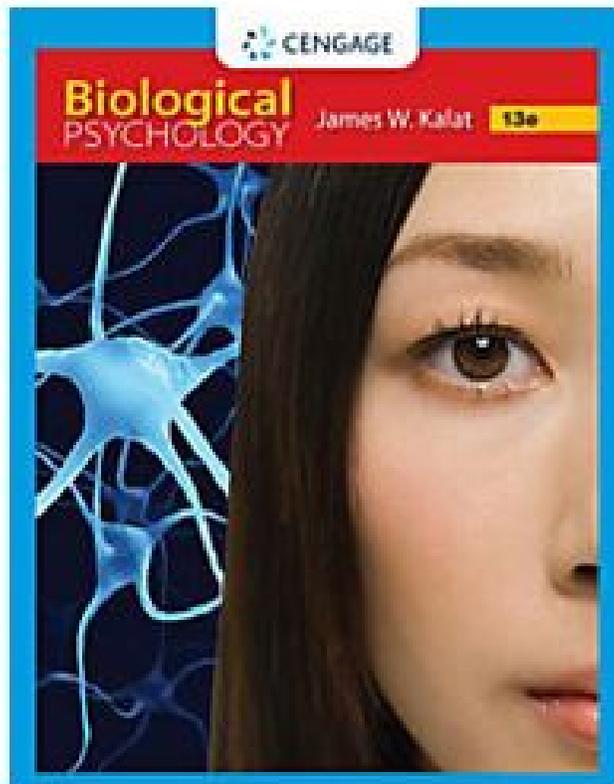
- Identify the biological causes of neurological and mental disorders.
(ILO1, ILO2, ILO3, ILO4)

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.
0. Relate current research findings on the biological elements of human learning and memory.

Textbook (required)



Kalat, J. W. (2019). *Biological Psychology* (13th/e). Wadsworth/Cengage Learning: Belmont, CA ISBN: 9781337408202

Course Requirements and Format

This syllabus serves as a guide to the class and the required readings and may change without notice. This semester the course is being taught asynchronously online and everything for the course will be contained within the Canvas Learning Management System (LMS). The course is broken up into modules. Each module represents a chunk of related information. Within each module, there are tasks for you to perform such as watch videos and recorded lectures, view PowerPoint slides, complete other assignments and take quizzes. The modules will become available sequentially as you move through the course. Some of the activities in the modules will have clear due dates associated with them. These activities must be completed by those due dates and in the time allotted. to receive full credit. Quiz questions will come from chapters covered in module and in the textbook. The majority of what you need to know for quizzes is explicitly covered in the

modules although small portions may not be. You are still be responsible for knowing the material from each chapter in its entirety unless otherwise specified. It is your responsibility to pay attention to the due dates for quizzes and assignments as they are made available. You will not be able to make up missed quizzes and assignments. No work will be accepted over email. Everything must be submitted through the Canvas LMS. 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 for anything let me know in advance.

Course Grading Based on Course Objectives

An approximate grade/point breakdown is shown below. Grades will be determined by this point system and final course grades will be based on a curve.

<u>Graded Coursework</u>		<u>Grade Breakdown</u>
Quizzes	150 Points	A = 90%
Midterm	50 Points	B = 80%
Projects	30 Points	C = 70%
<u>Final Exam</u>	<u>70 Points</u>	D = 60%
Total	300 Points	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 \(http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/\)](http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/) for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absence exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- 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 by the instructor.
- 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 \(http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/\)](http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/).
- Children in the classroom: Due to college rules and state laws, only students enrolled in the class may attend; children are not allowed.

Online Netiquette

What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.

- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- 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.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the **[General Catalog \(http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/\)](http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/)** 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 commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **CANVAS LMS.** Canvas is Imperial Valley College's main Learning Management System. To log onto Canvas, use this link: **[Canvas Student Login](#)**. The **[Canvas Student Guides Site](#)** (**<https://community.canvaslms.com/community/answers/guides/canvas-guide>**) provides a variety of support available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.
- **[Learning Services \(http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/learning-services-department/\)](http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/learning-services-department/)**. There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your **[Campus Map \(http://www.imperial.edu/index.php?option=com_docman&task=doc_view&gid=2978&Itemid=762\)](http://www.imperial.edu/index.php?option=com_docman&task=doc_view&gid=2978&Itemid=762)** for the **[Math Lab \(http://www.imperial.edu/students/computer-labs/math-lab/\)](http://www.imperial.edu/students/computer-labs/math-lab/)**; **[Reading, Writing & Language Labs \(http://www.imperial.edu/courses-and-programs/divisions/arts-](#)**

[and-letters/learning-services-department/ls-labs/](#)); and the **Study Skills Center** (<http://www.imperial.edu/students/learning-services/study-skills-center/>).

- **Library Services** (<http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/>). There is more to our library than just books. You have access to tutors in the **Study Skills Center** (<http://www.imperial.edu/students/learning-services/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** (<http://www.imperial.edu/students/dsps/>) (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **Student Health Center** (<http://www.imperial.edu/students/student-health-center/>)
. A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC **Student Health Center** (<http://www.imperial.edu/students/student-health-center/>) at 760-355-6128 in Room 1536 for more information.
- **Mental Health Counseling Services** (<http://www.imperial.edu/students/student-health-center/mental-health-counseling-services/>). Short-term individual, couples, family and group counseling services are available for currently enrolled students. Services are provided in a confidential, supportive, and

culturally sensitive environment. Please contact the IVC Mental Health Counseling Services at 760-355-6310 or in the building 1536 for appointments or more information.

Veteran's Center

The mission of the **IVC Military and Veteran Success Center** (<https://www.imperial.edu/students/military-and-veterans-success-center/>) is to provide a holistic approach to serving military/veteran students on three key areas: 1) Academics, 2) Health and Wellness, and 3) Camaraderie; to serve as a central hub that connects military/veteran students, as well as their families, to campus and community resources. Their goal is to ensure a seamless transition from military to civilian life. The Center is located in Building 600 (Office 624), telephone 760-355-6141.

Extended Opportunity Program and Services (EOPS)

The Extended Opportunity Program and Services (EOPS) offers services such as priority registration, personal/academic counseling, tutoring, book vouchers, and community referrals to qualifying low-income students. EOPS is composed of a group of professionals ready to assist you with the resolution of both academic and personal issues. Our staff is set up to understand the problems of our culturally diverse population and strives to meet student needs that are as diverse as our student population.

Also under the umbrella of EOPS our CARE (Cooperative Agency Resources for Education) Program for single parents is specifically designed to provide support services and assist with the resolution of issues that are particular to this population. Students that are single parents receiving TANF/Cash Aid assistance may qualify for our CARE program, for additional information on CARE please

contact Lourdes Mercado, 760-355- 6448, lourdes.mercado@imperial.edu
(<mailto:lourdes.mercado@imperial.edu>).

EOPS provides additional support and services that may identify with one of the following experiences:

- Current and former foster youth students that were in the foster care system at any point in their lives
- Students experiencing homelessness
- Formerly incarcerated students

To apply for EOPS and for additional information on EOPS services, please contact Alexis Ayala, 760-355-5713, alexis.ayala@imperial.edu
(<mailto:alexis.ayala@imperial.edu>).

Student Equity Program

- The Student Equity Program strives to improve Imperial Valley College's success outcomes, particularly for students who have been historically underrepresented and underserved. The college identifies strategies to monitor and address equity issues, making efforts to mitigate any disproportionate impact on student success and achievement. Our institutional data provides insight surrounding student populations who historically, are not fully represented. Student Equity addresses disparities and/or disproportionate impact in student success across disaggregated student equity groups including gender, ethnicity, disability status, financial need, Veterans, foster youth, homelessness, and formerly incarcerated students. The Student Equity Program provides direct supportive services to empower students experiencing insecurities related to food, housing, transportation, textbooks, and shower access. We recognize that students who struggle meeting their basic needs are also at an academic and economic disadvantage, creating barriers to academic success and wellness. We strive to remove barriers that affect IVC students' access to education, degree and certificate completion, successful completion of

developmental math and English courses, and the ability to transfer to a university. Contact: 760.355.5736 or 760.355.5733 Building 100.

- The Student Equity Program also houses IVC's Homeless Liaison, who provides direct services, campus, and community referrals to students experiencing homelessness as defined by the McKinney-Vento Act. Contact: 760.355.5736 Building 100.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog \(http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/\)](http://www.imperial.edu/courses-and-programs/catalogs-and-schedules/).

Information Literacy Anticipated

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The [IVC Library Department](https://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/) provides numerous Information Literacy Tutorials to assist students in this endeavor.

Class Schedule / Calendar

DATE	WEEKS	TOPICS	READINGS
02/15	Week 1	Introduction	Introduction
02/22	Week 2	Nerve Cells and Nerve	Ch. 1

Impulses

03/01	Week 3	Nerve Cells and Nerve Impulses	Ch. 1
03/08	Week 4	Synapses and Drugs	Ch. 2
03/15	Week 5	Synapses and Drugs	Ch. 2
03/22	Week 6	Anatomy of the Nervous System	Ch. 3
03/29	Week 7	Anatomy of the Nervous System	Ch. 3
04/05	Week 8	Spring Break	
04/12	Week 9	Genetics, Evolution, Development and Plasticity	Ch. 4
04/19	Week 10	Movement	Ch. 7
04/26	Week 11	Movement	Ch. 7
05/03	Week 12	Internal Regulation	Ch. 10
05/10	Week 13	The Biology of Learning and Memory	Ch. 12
05/17	Week 14	The Biology of Learning and Memory	Ch. 12

05/24 Week 15 Emotional Behaviors Ch. 11

05/31 Week 16 Mood Disorders and
Schizophrenia Ch. 14

06/07 Week 17 Final Exam