



# Imperial Valley College Course Syllabus

## Cognitive Psychology - PSY 211

### Basic Course Information

Semester:	Spring 2020	Instructor Name:	Mark A. Duva, Ph.D.
Course Title	Cognitive Psychology	Email:	<a href="mailto:mark.duva@imperial.edu">mark.duva@imperial.edu</a>
CRN #:	21602	Other Email:	<a href="mailto:mark.a.duva@live.com">mark.a.duva@live.com</a>
Classroom:	200-205	Office #:	1700-1714
Class Dates:	18 Feb-2020-12-June-2020	Office Hours:	TBA
Class Days:	MW	Office Phone #:	(760) 355-6335
Class Times:	1:00 - 2:25 PM	Emergency Contact:	(760) 276-3555
Units:	3		

### Course Description

This course will examine principles of cognition focusing on prevailing theories, previous research and current trends in the cognitive sciences. Research findings from human and animal models will be used as a foundation to explore a wide range of topic including cognitive neuroscience, sensation & perception, learning & memory, attention, knowledge and intelligence, consciousness, problem solving, decision making and psycholinguistics among others. Common methods used to study cognitive processes such as positron emission tomography (PET scan), electroencephalography (EEG) and the polygraph test will also be discussed. (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. explain, using examples from empirical research, the major areas of interest within the field of cognitive psychology. (ILO1, ILO2, ILO3)
2. explain, using examples, the methods used by researchers to study cognitive processes in humans and other species. (ILO1, ILO2, ILO3) Explain and apply, using examples, the theory of Vicarious (Observational) Learning (ILO1); (ILO2); (ILO3)
3. explain, using examples, the current applications, usefulness and limitations of current theories in cognitive psychology. (ILO1, ILO2, ILO3).

### Course Objectives

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

1. define cognition and identify the origins of and major areas within the cognitive sciences and explain the differences and similarities of each of the major subdivisions
2. describe theories, methods, applications, limitations and implications of research findings from humans and animals from the major subdivisions of cognitive psychology
3. describe how modern techniques in neuroscience have advanced our understanding of the biological basis of cognition
4. describe future direction in cognitive psychology and identify any possible moral and ethical dilemmas that may arise as we learn more about thinking and consciousness
5. demonstrate an understanding of the differences between sensory, working and long-term memory.
6. apply the principles of cognitive psychology to real world issues.
7. identify notable individuals together with their contributions to psychology.
8. characterize the nature of cognitive psychology as a scientific discipline and identify its primary objectives: to describe, understand, predict, and control behavior and mental processes.
9. use the concepts, language, and major theories, and research findings as these relate to everyday life.

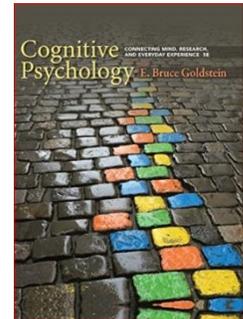


# Imperial Valley College Course Syllabus

## Cognitive Psychology - PSY 211

### Textbook (required)

E. Bruce Goldstein (2019). Cognitive Psychology: Connecting Mind, Research, and Everyday Experience 5th Edition. Cengage Learning: Belmont, CA. ISBN 13: 9781337408271



### 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 prior to class for that week. Exam and quiz questions will come from material covered in class and in the textbook. There will be several quizzes, several chapter assignments (1) midterm exam, and one (1) final exam. Quizzes will be administered in class or as take-home assignments and will be typically announced in advance. **HOWEVER, BE PREPARED FOR THE POSSIBILITY OF UNANNOUNCED QUIZES.** 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. I will talk about due dates and for these course assignments as we move forward. The Midterm and Final exams are entirely multiple choice, and you must take both. If you are late to class, you will not be allowed to take the quizzes or exams. Some chapters listed may not be covered in class, but you are still responsible for the material, unless otherwise specified. No makeups for exams or quizzes will be given without prior notification and/or documentation of an emergency. 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. 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	100 Points	A = 90%
Chapter assignments	50 Points	B = 80%
Midterm	70 Points	C = 70%
<u>Final Exam</u>	<u>80 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.



# Imperial Valley College Course Syllabus

## Cognitive Psychology - PSY 211

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.

- 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](#).
- 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](#) for more



# Imperial Valley College Course Syllabus

## Cognitive Psychology - PSY 211

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](#) 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.** There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- **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, 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.** 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](#) at 760-355-6128 in Room 1536 for more information.
- **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](#) 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.



# Imperial Valley College Course Syllabus

## Cognitive Psychology - PSY 211

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](#).

### Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

### Anticipated Class Schedule / Calendar

WEEKS	TOPICS	READINGS
02/18 Week 1	Introduction to Cognitive Psychology	Chapter 1
02/24 Week 2	Cognitive Neuroscience	Chapter 2
03/02 Week 3	Cognitive Neuroscience	Chapter 2
03/09 Week 4	Perception	Chapter 3



# Imperial Valley College Course Syllabus

## Cognitive Psychology - PSY 211

03/16 Week 5	Perception	Chapter 3
03/23 Week 6	Attention	Chapter 4
03/30 Week 7	Attention	Chapter 4
04/06 Week 8	<b>Midterm Exam</b>	
04/13 Week 9	<b>Spring Break</b>	
04/20 Week 10	Short-Term and Working Memory	Chapter 5
04/27 Week 11	Long Term Memory Structure	Chapter 6
05/04 Week 12	LTM: Encoding, Storage and Retrieval	Chapter 7
05/11 Week 13	Everyday Memory and Memory Errors	Chapter 8
05/18 Week 14	Visual Imagery	Chapter 10
05/25 Week 15	Problem Solving and Creativity	Chapter 12
06/01 Week 16	Judgement, Decision Making and Reasoning	Chapter 13
06/08 Week 17	<b>FINAL EXAM is Last Day of Class</b>	

<b>CHAPTER 1</b>		
Introduction to Cognitive Psychology		3
<b>CHAPTER 2</b>		
Cognitive Neuroscience		25
<b>CHAPTER 3</b>		
Perception		59
<b>CHAPTER 4</b>		
Attention		93
<b>CHAPTER 5</b>		
Short-Term and Working Memory		129
<b>CHAPTER 6</b>		
Long-Term Memory: Structure		161
<b>CHAPTER 7</b>		
LTM: Encoding, Retrieval, and Consolidation		191
<b>CHAPTER 8</b>		
Everyday Memory and Memory Errors		225
<b>CHAPTER 9</b>		
Conceptual Knowledge		263
<b>CHAPTER 10</b>		
Visual Imagery		297
<b>CHAPTER 11</b>		
Language		321
<b>CHAPTER 12</b>		
Problem Solving & Creativity		355
<b>CHAPTER 13</b>		
Judgment, Decisions, and Reasoning		393