

### Basic Course Information

|                  |                  |   |  |
|------------------|------------------|---|--|
| Semester         | <b>Fall 2015</b> | Instructor's Name   | <b>Nicole Rodiles</b>  |
| Course Title & # | <b>Psy 200</b>   | Instructor's Email  | <a href="mailto:nicole.rodiles@imperial.edu">nicole.rodiles@imperial.edu</a> |
| CRN #            | <b>10620</b>     | Webpage (optional)  |  |
| Room             | <b>411</b>       | Office (PT Faculty:809)   | <b>807E</b>  |
| Class Dates      | <b>8/17-12/9</b> | Office Hours<br>(n/a for PT Faculty)                            | <b>12-2</b>  |
| Class Days       | <b>MW</b>        | Office Phone #<br>(PT may use dept. number)                     | <b>760/355 6142</b>  |
| Class Times      | <b>8-9:25am</b>  | Who students should<br>contact if emergency<br>or other absence | <b>Instructor<br/>760/791 4915</b>   |
| Units            | <b>3</b>         |   |  |

### Course Description

**Required language:** 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

**Required language:** 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 including the ethical methodology and safeguards used in animal and human studies.(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 and endocrine based causes of neurological and mental disorders. (ILO1, ILO2, ILO3, ILO4)

### Course Objectives

**Required language:** 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 including the role of neuroendocrine systems.

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.
10. relate current research findings on the biologic elements of human learning and memory.
11. explain scientific approaches used in methodologies for the study of brain-behavior relationships while being able to provide concrete examples of noninvasive vs. invasive research using current ethical principles and methods for the study of both humans and animals including research safe-guards and the peer review process in science.

### **Textbooks & Other Resources or Links**

#### **Required Information—discretionary language**

1. Kalat, J.W. (2016). *Biological Psychology (12th/e)*. Belmont, CA Wadsworth. ISBN: 9781305105409

### **Course Requirements and Instructional Methods**

#### **Required Information—discretionary language**

#### **REQUIREMENTS**

Class Activity, Essay, Mid-Term/Final Exam(s), Objective, Oral Assignments, Problem Solving Exercise, Quizzes, Written Assignments, and Term Paper.

#### **INSTRUCTIONAL METHODS**

Audio Visual, Demonstration, Discussion, Group Activity, Lecture, Simulation/Case Study.

Two (2) hours of independent work done out of class per each hour of lecture or class work, or 3 hours lab, practicum, or the equivalent per unit is expected.

#### **Out of Class Assignments:**

The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

#### **Reading and Writing:**

Reading assignments include assigned text readings; current articles and/or sources from the internet. Students give written and/or verbal critical analysis of the readings. Written assignments include reflective responses, sharing the students' viewpoints and opinions in regard to the major developmental theories. Research paper on a developmental psychology topic. Written paper about the developmental stages of the student.

### **Course Grading Based on Course Objectives**

## **CORE CONTENT APPROX. % OF COURSE**

**Biology of Genes, Behavior, and Human Evolution 5.00%**

**Research methods and ethical considerations of biological psychology and neuroscience including: invasive vs. noninvasive research, critique current research ethics applied to animals and humans. 5.00%**

**Nervous system: anatomy, development and plasticity, neural communication 20.00%**

**Effects of psychoactive drugs 5.00%**

**Mechanism of sensation & perception, conscious awareness, and attention 15.00%**

**Mechanism of movement 5.00%**

**Sleep and wakefulness 5.00%**

**Motivation 5.00%**

**Ingestive behavior 5.00%**

**Cognition, learning and memory 10.00%**

**Hormones, reproduction, sexual development and behavior 5.00%**

**Emotion and stress 5.00%**

**Biology of psychological disorders including: affective disorders and schizophrenia 10.00%**

**TOTAL 100%**

## **Attendance**

### **Required language**

- 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.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences 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**

### **Required Information --Discretionary language**

**This is where an instructor explains his/her policy on these matters. Here is some suggested language:**

- 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.

## Academic Honesty

### Required Language

- Plagiarism is to take and present 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 correctly 'cite a source', 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, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or 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 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) use of a commercial term paper service

## Additional Help – Discretionary Section and Language

**The instructor can add the information pertinent to his or her class here. Some suggested language:**

- 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 Learning Services (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 learning center, study rooms for small groups, and online access to a wealth of resources.

## Disabled Student Programs and Services (DSPS)

**Required Language:** 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. If you feel you need to be evaluated for educational accommodations, the DSP&S office is located in Building 2100, telephone 760-355-6313.

## Student Counseling and Health Services

**Required Language:** Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime 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.

## Student Rights and Responsibilities

**Required Language:** Students have the right to experience a positive learning environment and due process. 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](http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762)

### Information Literacy

**Required Language:** Imperial Valley College is dedicated to help 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

**Required Information –Discretionary Language and Formatting:** The instructor will provide a tentative, provisional overview of the reading, assignments, tests, or other activity for the duration of the course. The faculty may find a table format useful for this purpose.

| Date or Week             | Activity, Assignment, and/or Topic   | Pages/ Due Dates/Tests |
|--------------------------|--------------------------------------|------------------------|
| Week 1<br>August 17 - 19 | Syllabus & Introduction<br>Chapter 1 | Pages 1-34             |
| Week 2<br>August 24 - 26 | Chapter 1 continued<br>Chapter 2     | Pages 40-59            |
| Week 3<br>August 31-2    | Chapter 2 continued<br>Chapter 3     |                        |

Week 4  
September 7-9 Chapter 3 continued  
Exam 1 and Thought Paper 1

Week 5  
September 14-16 Chapter 4

Week 6  
September 21-23 Chapter 5

Week 7  
September 28-30 Chapter 5 continued

Week 8  
October 5-7 Chapter 6  
Exam 2 and Thought Paper 2

Week 9  
October 12-14 Chapter 6 continued

Week 10  
October 19-21 Chapter 7  
Chapter 7 continued

Week 11  
October 26-28 Chapter 9

Imperial Valley College Course Syllabus – Bio Psy. 200

---

Week 12            Chapter 10  
November 2-4    Exam 3 and Thought Paper 3

Week 13            Chapter 11  
November 9-11

Week 14            Chapter 12  
November 16-18

Week 15            Chapter 13  
November 23-25 Chapter 13 continued

Week 16            Chapter 14  
November 30-2

Week 17            Final