



### Basic Course Information

<b>Semester:</b>	<b>Spring 2022</b>	<b>Instructor Name:</b>	<b>Chris Aguilera</b>
<b>Course Title &amp; #:</b>	<b>PSY 200 Biological Psychology</b>	<b>Email:</b>	<b>Christina.aguilera@imperial.edu</b>
<b>CRN #:</b>	<b>20794</b>	<b>Webpage (optional):</b>	<b>N/A</b>
<b>Classroom:</b>	<b>Online</b>	<b>Office #:</b>	<b>Zoom/text/email</b>
<b>Class Dates:</b>	<b>February 14- Jun 10 (Noon)</b>	<b>Office Hours:</b>	<b>Tuesdays 11 am- 1 pm (by appointment)</b>
<b>Class Days:</b>	<b>Online</b>	<b>Office Phone #:</b>	<b>760 457 5077 (text only)</b>
<b>Class Times:</b>	<b>Online</b>	<b>Emergency Contact:</b>	<b>N/A</b>
<b>Units:</b>	<b>3.0</b>	<b>Class Format:</b>	<b>Asynchronous</b>

### 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. (C-ID PSY 150) (CSU/UC)

### Course Prerequisite(s) and/or Corequisite(s)

Twelfth grade reading level is highly recommended.

### Student Learning Outcomes/Course Objectives

#### 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 including the ethical methodology and safeguards used in animal and human studies.
3. Demonstrate an understanding of psychological theory regarding the relationship between physiology; cognition and emotion.
4. Identify the biological and endocrine based 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 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.

*Core content to be covered in all areas:* Biology of Genes, Behavior, and Human Evolution, Research methods and ethical considerations of biological psychology and neuroscience including: invasive vs. noninvasive research, critique current research ethics applied to animals and humans, Nervous system: anatomy, development and plasticity, neural communication, Effects of psychoactive drugs, Mechanism of sensation & perception, conscious awareness, and attention, Mechanism of movement, Sleep and wakefulness, Motivation, Ingestive behavior, Cognition, learning and memory, Hormones, reproduction, sexual development and behavior, Emotion and stress, Biology of psychological disorders including: affective disorders and schizophrenia

*Method of Evaluation:* Essay(s), Mid-term/Final Exam(s), Objective, Oral Assignments, Problem Solving Exercise, Quizzes, Written Assignments and/or Participation Activities

*Instructional Methodology:* Audio/Visual, Demonstration, Discussion, Group Activity, Lecture and/or Simulation/Case Study

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

Kalat, J.W. 2015. *Biological Psychology* 12th. Belmont, CA. Wadsworth ISBN: 978-1305105409



## Course Grading Based on Course Objectives

All course work will result in a letter grade. Letter grades will be calculated according to a point system. There are 100 points available for this course. Your final amount of points earned will equal a percentage that calculates into a letter grade.

### ALL COURSEWORK MUST BE SUBMITTED VIA CANVAS

Course Work and Grading Table

Course Work	Total Points / 100	Percent of Grade (%) / 100%
Class Participation Activities/Assignments=	50=	50%=
<i>*Breakdown: Discussions/Replies</i>	<i>*15</i>	<i>*15%</i>
<i>Class Participation: Activities, Assignments, HYLB Paper, Science Project Presentation</i>	35	35%
Quizzes	30	30%
Midterm/Final	20	20%

**\*\*Letter Grade Percentage Range: Points Range\*\***

### Grading Scale

A = 90 - 100%

B = 80 - 89%

C = 70 - 79%

D = 60 - 69%

F = 59 or below

### Course Policies

Be honest in all that you do! If you use a source that is not your work, make sure you cite each and every one. Everyone deserves credit for their work. Cheating will not be tolerated in any capacity.

#### Course Drop Policy:

During the first week of this course, you are required to participate, or you may be dropped from the course. Please post your introduction and complete any activities required for Module O.. These activities are very important so you won't be dropped from the course for non-participation during this first week. If you have any challenges with these tasks during the first week, please notify me as soon as possible so we can get you started!

Throughout the course, I will review your participation and assignments. If you fail to complete the required activities for two consecutive weeks, this may be considered excessive absences and may be grounds for being dropped. It's your responsibility to notify me if you have any challenges as soon as possible. It is also your responsibility to drop the course if you feel you can no longer participate and complete the course.



Please refer to the General Catalog for details of drop and withdrawal “W” deadlines. If you don’t drop the course before the end of the course, you will, unfortunately, earn a failing grade for the course. After the final withdrawal deadline, you will receive a grade regardless of whether you completed the work or not, potentially resulting in a failing grade on your permanent academic record.

Late Work Policy: In this online course, you are required to submit tests/quizzes, discussions and activities/ assignments by the due date via Canvas. Once a module/discussion closes, you won’t be able to post or respond so please set a reminder for those due dates. Check the calendar in Canvas for due dates and reminders. A handy tip is to set a calendar item or alarm on your phone to remind yourself of the due dates.

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**Anticipated Class Calendar PSY 200: Biological Psychology/Spring 2022 (20794)**

Instructor: Christina Aguilera

Course: Asynchronous, Monday- Saturday, Feb 14- June 10 (Noon)

Course Calendar (anticipated)

Week #	Dates	Chapters/Topic	Assignments
			-Get your book
1	Feb 14- 19	Orientation Chapter 1 Intro	- Read Chapter (Ch) 1 and 2 - Discussions (Disc)/Participation Activities (PA)
2	Feb 21-26	Chapter 1 Chapter 2:	- Read Ch 3 - Disc/PA
3	Feb 28- March 5	Chapter 3:	-Quiz (Qz) 1: Ch 1-3 - Read Ch 4



- Disc/PA

4	March 7- 12	Chapter 4:	- Read Ch 5 - Disc/PA
5	March 14- 19	Chapter 5	- Read Ch 6 - Disc/PA
6	March 21- 26	Chapter 6:	-Qz 2: Ch 4-6 - Read Ch 7
7	March 28- April 2	Chapter 7:	-Read Ch 8 - Disc/PA
8	April 4- 9	Chapter 8	Quiz 3: Ch 7-8 - Read Ch 9 - Disc/PA  -Read Ch 10 and 11
9	April 11- 16	Chapter 9:	- Midterm (Chapters 1-8) - Disc/PA
10	April 18- 23	Spring Break	Spring Break

11	April 25- 30	Review Chapter 9	- Disc/PA
		Chapter 10 and 11:	- Read Ch 12 - Disc/PA
12	May 2-7	Chapter 12:	-Qz 4: Ch 10- 12  - Read Ch 13 - Disc/PA
13	May 9- 14	Chapter 13:	- Read Ch 14  - Disc/PA
14	May 16- 21	Chapter 14:	- Disc/PA
15	May 23- 28	Presentations:	- Qz 5: Ch 12-14 - Disc/PA
16	May 30- June 4	Review	- Final Study Guide  - Review  - Disc/PA
17	June 6- June 10	Final	-Final (Chapters 9- 15)
		Extra Credit	-Extra Credit (Available on last day of class)

*\*\*This is a tentative schedule and subject to change without notice\*\**