

Basic Course Information

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| Semester: | Winter Intercession 2023 | Instructor Name: | Robert Wyatt |
| Course # and Title: | PSY 211: Cognitive Psychology | Email: | Robert.wyatt@imperial.edu |
| CRN #: | 15181 | Webpage (optional): | www.imperial.edu |
| Classroom: | Online | Office #: | 1714 |
| Class Dates: | Jan. 03 – Feb. 03 | Office Hours: | 9:00 am – 10:00 am (M, T, W, TR) |
| Class Days: | M, T, W, TR, F | Office Phone #: | 760-355-6491 |
| Class Times: | Online | Emergency Contact: | 760-355-6491 |
| Units: | 3.0 | Class Format: | Online |

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 topics 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.
2. Explain, using examples, the methods used by researchers to study cognitive processes in humans and other species.
3. Explain, using examples, the current applications, usefulness, and limitations of current theories in cognitive psychology.

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 the 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.

Textbooks & Other Resources or Links

Goldstein, E. Bruce
 Cognitive Psychology: Connecting Mind, Research, and Everyday Experience (5th Edition)
 Cengage Learning
 ISBN: 978-1337408271.

Course Requirements and Instructional Methods

This course is strictly online via Canvas. To ensure that you are “attending” class, I will be checking to see how often you are in Canvas. Your “attendance” is worth 25% of your grade.

You will be given a Midterm. It will cover Chapters 1 – 5. The Midterm will be worth 25% of your overall grade.

You will also be given a Final. The Final will cover Chapters 6 – 13. The Final will be worth 50% of your overall final grade in the class.

Course Grading Based on Course Objectives

Since this is an online class, I will NOT be accepting late assignments.

If there is a medical emergency (you are in the hospital or your child is in the hospital), I need to be notified as early as possible to make accommodations.

IF you contact me AFTER a due date of an assignment, I will NOT accept it.

| Assignment | Points | % of Overall Grade | Due Date |
|------------|--------|--------------------|-----------------------------|
| Attendance | 100 | 25 | Throughout the intercession |
| Midterm | 100 | 25 | January 15 |
| Final | 100 | 50 | February 03 |

Course Policies

This course complies with the IVC Regular Effective and Substantive Contact Guidelines by providing the following contact types:

- Orientation at start of course - Once
- Announcements/Bulletin Boards - Weekly
- Chat Rooms - Weekly

- Discussion Boards - Weekly or as needed
- Email Communication - As needed
- Online Group Collaboration - As needed
- Virtual Office Hours - Weekly
- Other (describe) - As needed to meet course objectives
- Feedback on Assessments - Weekly
- Inbox - Weekly
- Teleconferencing - As needed

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

| WEEK | DATE | CHAPTER | TOPIC |
|-----------|-------|---------|--|
| Tuesday | 01/03 | --- | Course Orientation |
| Wednesday | 01/04 | 01 | Introduction to Cognitive Psychology |
| Thursday | 01/05 | 02 | Cognitive Neuroscience (Part I) |
| Friday | 01/06 | 02 | Cognitive Neuroscience (Part II) |
| Monday | 01/09 | 03 | Perception (Part I) |
| Tuesday | 01/10 | 03 | Perception (Part II) |
| Wednesday | 01/11 | 04 | Attention (Part I) |
| Thursday | 01/12 | 04 | Attention (Part II) |
| Friday | 01/13 | 05 | Short-term and Working Memory |
| Sunday | 01/15 | | Midterm Exam due by 11:59 pm |
| Monday | 01/16 | | No Class |
| Tuesday | 01/17 | 06 | Long-term Memory: Structure |
| Wednesday | 01/18 | 07 | Long-Term Memory: Encoding, Retrieval, & Consolidation (Part I) |
| Thursday | 01/19 | 07 | Long-Term Memory: Encoding, Retrieval, & Consolidation (Part II) |
| Friday | 01/20 | 08 | Everyday Memory and Memory Errors |
| Monday | 01/23 | 09 | Conceptual Knowledge (Part I) |
| Tuesday | 01/24 | 09 | Conceptual Knowledge (Part II) |
| Wednesday | 01/25 | 10 | Visual Imagery (Part I) |
| Thursday | 01/26 | 10 | Visual Imagery (Part II) |
| Friday | 01/27 | 11 | Language |



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| Monday | 01/30 | 12 | Problem Solving and Creativity (Part I) |
| Tuesday | 01/31 | 12 | Problem Solving and Creativity (Part II) |
| Wednesday | 02/01 | 13 | Judgment, Decision, and Reasoning (Part I) |
| Thursday | 02/02 | 13 | Judgment, Decision, and Reasoning (Part II) |
| Friday | 02/03 | --- | Final Exam due by 11:59 pm |

*****Subject to change without prior notice*****