PSYC 11 Course Outline as of Summer 2025

CATALOG INFORMATION

Dept and Nbr: PSYC 11 Title: INTRO TO COGNITIVE PSYCH
Full Title: Introduction to Cognitive Psychology
Last Reviewed: 5/13/2024

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00 Total Student Learning Hours: 157.50

Title 5 Category:	AA Degree Applicable
Grading:	Grade Only
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	PSYCH 11

Catalog Description:
In this course, students will be introduced to the basic concepts of cognitive psychology. Students will learn about topics including perception, attention, memory, language, and thought. This will be approached from different perspectives including cognitive science, neuroscience, anti-racism, and students' lived experiences.

Prerequisites/Corequisites:

Recommended Preparation:
Eligibility for ENGL 1A or equivalent

Limits on Enrollment:

Schedule of Classes Information:
Description: In this course, students will be introduced to the basic concepts of cognitive psychology. Students will learn about topics including perception, attention, memory, language, and thought. This will be approached from different perspectives including cognitive science, neuroscience, anti-racism, and students' lived experiences. (Grade Only)
Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 1A or equivalent
Limits on Enrollment:
Transfer Credit: CSU;UC.
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**		Effective:	Inactive:
	D	Social and Behavioral Sciences	Fall 2019	
CSU GE:	**Transfer Area**		Effective:	Inactive:
	D	Social Science	Fall 2019	
	D9	Psychology		
IGETC:	**Transfer Area**		Effective:	Inactive:
	4	Social and Behavioral Science	Fall 2019	
	4I	Psychology		

CSU Transfer:	Transferable	Effective:	Fall 2019	Inactive:
UC Transfer:	Transferable	Effective:	Fall 2019	Inactive:

CID:

Certificate/Major Applicable:
Major Applicable Course

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Describe theories, concepts, and research findings in the psychology of learning and cognition.
2. Demonstrate an understanding of cognitive psychology concepts and findings through the lenses of experimental psychology, artificial intelligence, neuroscience, and racial disparities.

Objectives:
At the conclusion of this course, the student should be able to:
1. Summarize the historical development of cognitive psychology and identify major methodologies.
2. Understand the processes of visual perception and object recognition systems.
3. Describe how attention and working memory function.
4. Understand different types of memory and their functions.
5. Describe how general knowledge is generated and organized.
6. Explain models of language production.
7. Describe approaches to judgment and decision making.
8. Understand the processes of problem solving and creativity.
9. Describe how intelligence is studied.

Topics and Scope:

I. History and Methods
   A. Variety of methods

- B. History of bias in cognitive psychology
- C. Applying cognitive psychology

II. Perception
- A. Visual perception
- B. Recognizing objects
- C. Influence of social categories on perception
- D. Neuroscience of perception
- E. Computer models of perception

III. Attention and Working Memory
- A. Selective, divided, and sustained attention
- B. Executive functioning
- C. Influence of social categories on attention and working memory
- D. Neuroscience of attention and working memory
- E. Computer models of attention and working

IV. Memory
- A. Acquisition, storage, and retrieval
- B. Working and long-term memory
- C. Maintenance and intentional learning
- D. Implicit and explicit memory
- E. Autobiographical memory
- F. Disorders of memory
- G. Influence of social categories on memory
- H. Neuroscience of memory
- I. Computer models of memory

V. General Knowledge
- A. Organization of Concepts
- B. Schemas and scripts
- C. Prototypes and stereotypes
- D. Neuroscience of general knowledge
- E. Computer models of general knowledge

VI. Language Production
- A. Sociocultural influence
- B. Bilingualism
- C. Neuroscience of language
- D. Computer models of language

VII. Judgment and Decision Making
- A. Heuristics and biases
- B. Paradox of choice
- C. Neuroscience of judgment and decision making
- D. Computer models of judgment and decision making

VIII. Problem Solving
- A. General problem-solving methods
- B. Creativity
- C. Neuroscience of problem solving
- D. Computer models of problem solving

IX. Intelligence
- A. Theories
- B. Biases
- C. Measurement
- D. Influence of environment and genetics
- E. Neuroscience of intelligence
- F. Computer models of problem solving

Assignment:

1. Read approximately 25-35 pages per week.
2. One to three writing assignment(s); a minimum of 1,250 words for the course.
3. Exam(s), and/or quizzes, and a final examination.
4. Oral presentation(s) and/or group project(s) may also be assigned.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Writing assignment(s)	Writing 10 - 50%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None	Problem solving 0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None	Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

Exam(s), and or quizzes, and a final examination	Exams 40 - 80%

Other: Includes any assessment tools that do not logically fit into the above categories.

Possible oral presentation(s) and/or project(s), participation	Other Category 0 - 10%

Representative Textbooks and Materials:
Cognition. 10th ed. Matlin, Margaret and Farmer, Thomas. Wiley. 2019. (classic).
Cognition: Exploring the Science of the Mind. 8th ed, Reisberg, Daniel. W.W. Norton & Company. 2021.
Fundamentals of Cognition. 3rd ed. Eysenck, Michael. Taylor & Francis Group. 2018. (classic).

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