



PS920 Cognitive Psychology and Intelligence

Instructor Information	<p>Liandi Lou Email: Jenniferlou@163.com Office Hours: Determined by Instructor</p>		
Term	<p>June 27, 2022 - July 22, 2022</p>	Credits	<p>4 units</p>
Class Hours	<p>Monday through Friday, 120 mins per teaching day</p>		
Discussion Sessions	<p>2.5 hours each week, conducted by teaching assistant(s)</p>		
Total Contact Hours	<p>66 contact hours (1 contact hour = 45 mins, 3000 mins in total)</p>		
Required Texts (with ISBN)	<p>Goldstein, E.B. (2018). Cognitive Psychology: Connecting Mind, Research and Everyday Experience (5th edition) Cengage Learning, Inc. ISBN: 978-1-337-40827-1</p> <p>Wolfe, J.M., Kluender, K.R., Levi, D.M., Bartoshuk, L.M., Herz, R.S., Klatzky, R., Lederman, S.J., and Merfeld, D.M. (2015) Sensation and Perception (4th edition). Sinauer Associates, Inc. ISBN: 978-1-60535-354-8</p> <p>Sternberg, R. J. (Ed.). (2018). The nature of human intelligence. Cambridge University Press. ISBN: 978-1-107-17657-7 Hardback ISBN: 978-1-316-62964-2 Paperback</p>		
Prerequisite	<p>N/A</p>		



Course Overview

Cognitive Psychology is a kind of psychological trend and research direction rising in the mid-1950s. In this course, the Cognitive Psychology Section will provide an overview of theories and research in the major areas of Cognitive Psychology, which includes topics such as attention, perception, memory, language, thinking, problem solving and decision-making. The Intelligence Section will talk about the concepts and theories of intelligence, emotional intelligence, assessment of intelligence, the dynamics of intelligence, genetic and environmental influences on intelligence and the relationship between intelligence and creativity. There will be tutorial courses to help students better understand the theories and concepts involved in the course, learn how to design and conduct cognitive psychology research, and write research reports.

Learning Outcomes

At the end of this course you will

1. Understand key concepts, procedures, empirical findings, and theories in Cognitive Psychology and Intelligence;
2. Describe, analyze and critically evaluate theories and empirical findings in Cognitive Psychology and Intelligence;
3. Learn how to design research in Cognitive Psychology and write a research report following APA style;
4. Compare, contrast, and synthesize empirical and theoretical perspectives related to the study of Cognitive Psychology and Intelligence using evidence-based reasoning.

Lecture Materials

Lecture materials will consist mostly of Power Point slide presentations and are designed to help with understanding and organizing the material. Since there is a lot of material in the textbook, lectures will also highlight key concepts and terms in the chapters to help you focus your study efforts. I may occasionally provide short videos or video lectures in addition to Power Point slides.

Quizzes

There will be 3 quizzes. Quizzes cannot be made up for any reason. Each quiz will be worth 5 points.

Writing Assignment

There will be one writing assignment. The due date for submitting the writing assignment is shown in the Class Schedule. After the deadline for submitting the assignment is passed, one day late will result in one tenth of your grade being deducted.



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Research Report

Students are required to conduct relevant research in class and write a research report. The minimum number of words for the report is 1800. The due date for submitting the research report is shown in the Class Schedule. After the deadline for submitting the report is passed, one day late will result in one tenth of your grade being deducted.

Final Exam

There will be a final exam at the end of the term. It includes multiple choice questions and essay questions. The final exam will cover material from lecture slides and the textbook. It will consist of recall AND application of terms, theories, and concepts. Because lectures may cover material not included in the textbook, carefully following along with lecture materials will maximize your success on the exam!



Grading Policy

Quizzes	15 %
Writing Assignment	10 %
Research Report	25 %
Final Exam	50 %

Grading Scale is as follows

Number grade	Letter grade	GPA
90-100	A	4
85-89	A-	3.7
80-84	B+	3.3
75-79	B	3
70-74	B-	2.7
67-69	C+	2.3
65-66	C	2
62-64	C-	1.7
60-61	D	1
≤59	F (Failure)	0



Class Schedule

Date	Topic	Learning activity	Assignment
Day 1	Introduction and Course Overview	Lecture	
Day 2	Consciousness	Lecture	
Day 3	Perception 1	Lecture	
Day 4	Perception 2	Lecture/Tutorial	Research Design and Preparation
Day 5	Perception 3	Lecture	
Day 6	Attention 1	Lecture/Tutorial	Research Data Collection
Day 7	Attention 2	Lecture	
Day 8	Short-Term and Working Memory	Lecture	
Day 9	Long Term Memory	Lecture/Tutorial	
Day 10	Thinking and Problem solving 1	Lecture	Quiz 1
Day 11	Thinking and Problem solving 2	Lecture	
Day 12	Decision-making 1	Lecture	
Day 13	Decision-making 2	Lecture/Tutorial	Writing Assignment DUE
Day 14	Theories of Intelligence	Lecture	
Day 15	Emotional Intelligence	Lecture	Quiz 2
Day 16	Assessment of Intelligence	Lecture/Tutorial	
Day 17	The Dynamics of Intelligence	Lecture	Research Report DUE
Day 18	Genetic and Environmental Influences on Intelligence	Lecture	
Day 19	Intelligence and Creativity	Lecture	Quiz 3
Day 20	Final Exam		Final Exam