



PSY 3500 Cognition



Fall Semester 2011

Instructor: Joshua D. Marquit, Ph.D.

Course Location: Weber State University – Ogden Campus, Social and Behavioral Science Building, Room 323

Course Time: Thursday, 5:30 to 8:10pm

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Office: Room 380E, Social and Behavioral Science Building

Office Hours: Wednesday and Thursday from 2 to 4pm or by appointment

Contact Policy: I am accessible to my students by email and phone. When sending emails, please use my WSU Gmail account (joshuamarquit@mail.weber.edu).

Required Reading Materials

- Goldstein, E.B. (2010). *Cognitive Psychology: Connecting Mind, Research and Everyday Life with Coglab Manual* (3rd Ed.). Belmont, CA: Wadsworth Publishing.
 - ISBN-13: 978-08400-3355-0

Additional Readings: Additional readings will be assigned throughout the semester and will be available via Canvas at WSU Online (<http://learn-wsu.uen.org>). These readings will be peer-reviewed journal articles or book chapters and will be provided in .pdf format.

Course Description and Content:

This course is designed to introduce students to the basic concepts, principles, and applications of cognitive psychology. Specifically, this course will cover a broad range of topics including a brief history of cognitive psychology, research in cognitive psychology, cognitive neuroscience, perception, attention, short- and long-term memory, visual imagery, language, emotions and cognition, problem solving, and decision making.

Course Objectives:

There are five key learning objectives for this course. All class activities (e.g. readings, lectures, labs, exams, quizzes, etc.) are designed to help students meet, and/or assess their progress on, these objectives. In this class, students will:

1. Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in the field of cognitive psychology.
2. Understand and apply basic research methods in cognitive psychology.
3. Understand and apply basic cognitive psychology principles and theory to personal, social, and organizational issues.
4. Develop insight into their own and others' behavior and cognitive processes.
5. To apply the information learned to individual professional fields of interest.

Course Structure:

This course is a lecture course and students will be expected to demonstrate their learning through lecture preparation and participation, lab and writing assignments, quizzes, and examinations. The

purpose of class lectures is to elaborate on material presented in the textbook, conduct skill-building exercises and demonstrations, and to provide a forum for discussion.

Weekly Readings:

Cognitive Psychology: Connecting Mind, Research, and Everyday Experience (3rd Edition) by Goldstein is required reading. I will also provide additional items throughout the semester for you to read. These additional readings will be posted on Canvas.

Make-Up Exams and Missed Deadlines:

In the event of a University-approved absence or a medical problem, please contact the instructor as soon as possible. In general, advance notice and/or appropriate documentation will be required to schedule a make-up exam, quiz, or assignment. Appropriate documentation may include written notification from a treatment provider.

Grading and Evaluation:

There are 625 points possible in this course. Your grade for this course will be calculated from several areas, as detailed below.

Percentage	Grade
93 - 100	A
90 - 92.99	A-
87 - 89.99	B+
83 - 86.99	B
80 - 82.99	B-
77 - 79.99	C+
73 - 76.99	C
70 - 72.99	C-
67 - 69.99	D+
63 - 66.99	D
0 - 62.99	F

Evaluation Activity	Due Date	Point Total
Quizzes		
Quiz #1: Chapter 1	Available 8/26 to 9/1	10
Quiz #2: Chapter 2	Available 9/2 to 9/8	10
Quiz #3: Chapter 3	Available 9/9 to 9/15	10
Quiz #4: Chapter 4	Available 9/16 to 9/22	10
Quiz #5: Chapters 6 & 7	Available 9/30 to 10/6	10
Quiz #6: Chapter 8	Available 10/7 to 10/13	10
Quiz #7: Chapter 9	Available 10/14 to 10/20	10
Quiz #8: Chapter 11	Available 10/28 to 11/3	10
Quiz #9: Chapter 12	Available 11/11 to 11/17	10
Quiz #10: Chapter 13	Available 11/18 to 12/1	10
Coglab Assignments		
Lab #1: Change Detection	Part 1: 8/31 at Midnight Part 2: 9/1 in Class	25
Lab #2: Spatial Cueing	Part 1: 9/7 at Midnight Part 2: 9/8 in Class	25
Lab #3: Partial Report	Part 1: 9/14 at Midnight Part 2: 9/15 in Class	25
Lab #4: Phonological Similarity Effect	Part 1: 9/21 at Midnight Part 2: 9/22 in Class	25
Lab #5: False Memory	Part 1: 10/5 at Midnight Part 2: 10/6 in Class	25
Lab #6: Mental Rotation	Part 1: 10/12 at Midnight Part 2: 10/13 in Class	25

Lab #7: Prototypes	Part 1: 10/19 at Midnight Part 2: 10/20 in Class	25
Lab #8: Categorical Perception Identification	Part 1: 11/2 at Midnight Part 2: 11/3 in Class	25
Lab #9: Word Superiority	Part 1: 11/9 at Midnight Part 2: 11/10 in Class	25
Lab #10: Monty Hall	Part 1: 11/16 at Midnight Part 2: 11/17 in Class	25
Lab #11: Risky Decisions	Part 1: 11/30 at Midnight Part 2: 12/1 in Class	25
Class Participation		25
Examinations		
Exam #1: Chapters 1-4	Available 9/23 to 9/30	75
Exam #2: Chapters 5-9	Available 10/21 to 10/28	75
Exam #3: Chapters 10-13; Readings on Emotions and Cognition	Available 12/2 to 12/8	75
Total Points		625

Quizzes:

There will be 10 quizzes throughout the semester. Each quiz will consist of both multiple-choice and short answer questions. Questions will be created from class reading materials. Each quiz will be worth 10 points. Quizzes will be available for you to complete on Canvas from 7am on the Friday after class until the following Thursday at 4 pm. There will be no make-up quizzes.

Lab Assignments:

The Lab Assignments are designed to give students the opportunity to learn about and participate in cognitive psychology-related research. Throughout the semester, students will participate in 11 Lab Assignments, each worth 25 points. These Lab Assignments are separated into two smaller assignments. First, you will need to complete the assigned lab electronically on *Coglab* on or before Midnight on the Wednesday before the assignment is due. Second, you will need to answer the Basic Questions at the end of each *CogLab* on a separate Word document and hand it in at the start of each Thursday evening class.

- **Lab Assignment #1:** Change Detection (Attention)
- **Lab Assignment #2:** Spatial Cueing (Attention)
- **Lab Assignment #3:** Partial Report (Sensory Memory)
- **Lab Assignment #4:** Phonological Similarity Effect (Working Memory)
- **Lab Assignment #5:** False Memory (Working Memory)
- **Lab Assignment #6:** Mental Rotation (Imagery)
- **Lab Assignment #7:** Prototypes (Concepts)
- **Lab Assignment #8:** Categorical Perception Identification (Speech and Language)
- **Lab Assignment #9:** Word Superiority (Speech and Language)
- **Lab Assignment #10:** Monty Hall (Judgment)
- **Lab Assignment #11:** Risky Decisions (Judgment)

Exams:

The three exams will consist of both multiple-choice and short answer questions. Questions will be created from class material (course lectures and class discussions) and reading assignments. Each exam is worth 75 points and will not be cumulative. In order to take a make-up exam, you will need to inform me well in advance (except in the case of a properly documented, university-approved emergency), and make necessary arrangements to take the exam. Those that fail to do this will receive an immediate 10-point reduction on your score, and 2-point deduction for each additional day that the

exam remains incomplete. All of the exams are open-book and will be available for you to complete on Canvas. You will be given approximately a week to complete each Exam.

Students with Disabilities:

Qualified students with disabilities may be eligible for reasonable accommodations. If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Services for Students with Disabilities (Davis Campus - Room 221, 801-395-3524 or Ogden Campus - Student Services Center, Room 181, 801-626-6413), preferably during the first week of the course. Any request for special consideration relating to attendance, pedagogy, taking of examinations, etc., must be discussed with and approved by the instructor. In cooperation with the Services for Students with Disabilities, course materials can be provided in alternative format, large print, audio, diskette, or Braille.

Academic Integrity and Honesty:

Plagiarizing, cheating, or violating other reasonable standards of behavior will not be tolerated. Any student who engages in academically dishonest behavior will receive an "F" for the course grade. All incidents of cheating will be reported for university-level disciplinary proceedings the results of which can include probation, suspension, expulsion, the assignment of HV (honors violation) to the students permanent transcript, etc.

Changes in Assignments and Schedule:

The instructor reserves the right to make changes to this syllabus at any time. Changes will be announced in class and posted on Canvas.

Tentative Course Schedule:

Month	Date	Class Session	Readings	Assignment, Quiz, & Exam Due Dates
Aug.	25	- Introduction - Syllabus Review - Brief History of Cognitive Psychology		
Sept.	1	- Brief History of Cognitive Psychology (cont.) - Research Methods in Cognitive Psychology	Ch. 1	- Quiz #1: Chapter 1, Available on Canvas from 8/26 to 9/1. - Lab #1: Blind Spot - <i>Coglab</i> is due at Midnight on Wednesday, 8/31 and the Write-up is due in class on 9/1.
Sept.	8	- Cognitive Neuroscience	Ch. 2	- Quiz #2: Chapter 2, Available on Canvas from 9/2 to 9/8. - Lab #2: Spatial Cueing - <i>Coglab</i> is due at Midnight on Wednesday, 9/7 and the Write-up is due in class on 9/8.
Sept.	15	- Perception	Ch. 3	- Quiz #3: Chapter 3, Available on Canvas from 9/9 to 9/15. - Lab #3: Partial Report - <i>Coglab</i> is due at Midnight on Wednesday, 9/14 and the Write-up is due in class on 9/15.
Sept.	22	- Attention; - Exam #1 Review	Ch. 4	- Quiz #4: Chapter 4, Available on Canvas from 9/16 to 9/22. - Lab #4: Phonological Similarity Effect - <i>Coglab</i> is due at Midnight on Wednesday, 9/21 and the Write-up is due in class on 9/22.
Sept.	29	- Short-term and Working Memory;	Ch. 5	- Exam #1: Chapters 1-4 – Available on Canvas from 9/23 at 7am until 9/30 at Midnight.
Oct.	6	- Long-term Memory: Structure, Encoding and Retrieval	Ch. 6, 7	- Quiz #5: Chapter 6 & 7, Available on Canvas from 9/30 to 10/6. - Lab #5: False Memory - <i>Coglab</i> is due at Midnight on Wednesday, 10/5 and the Write-up is due in class on 10/6.
Oct.	13	- Everyday Memory and Memory Errors;	Ch. 8	- Quiz #6: Chapter 8, Available on Canvas from 10/7 to 10/13. - Lab #6: Mental Rotation - <i>Coglab</i> is due at Midnight on Wednesday, 10/12 and the Write-up is due in class on 10/13.
Oct.	19	- Knowledge; - Exam #3 Review	Ch. 9	- Quiz #7: Chapter 9, Available on Canvas from 10/14 to 10/20. - Lab #7: Prototypes - <i>Coglab</i> is Due at Midnight on Wednesday, 10/19 and the Write-up is due in class on 10/20.
Oct.	27	- Visual Imagery	Ch. 10	- Exam #2: Chapters 5-10 – Available on Canvas from Oct. 21, 2011 at 7am until Oct. 28, 2011 at Midnight.
Nov.	3	- Language	Ch. 11	- Quiz #8: Chapter 11, Available on Canvas from 10/28 to 11/3. - Lab #8: Categorical Perception Identification <i>Coglab</i> is Due at Midnight on Wednesday, 11/2 and the Write-up is due in class on 11/3.
Nov.	10	- Emotions and Cognition	Additional Readings	- Lab #9: Word Superiority - <i>Coglab</i> is Due at Midnight on Wednesday, 11/9 and the Write-up is due in class on Thursday, 11/10.
Nov.	17	- Problem Solving	Ch. 12	- Quiz #9: Chapter 12, Available on Canvas from 11/11 to 11/17. - Lab #10: Monty Hall - <i>Coglab</i> is Due at Midnight on Wednesday, 11/16 and the Write-up is due in class on 11/17.
Nov.	24	No Class – Thanksgiving Break		
Dec.	1	- Reasoning and Decision Making; - Exam #3 Review	Ch. 13	- Quiz #10: Chapter 13, Available on Canvas from 11/18 to 12/1. - Lab #11: Risky Decisions - <i>Coglab</i> is Due at Midnight on Wednesday, 11/30 and the Write-up is due in class on 12/1.
Dec.	8	- Exam #3		- Exam #3: Chapters 10-13; Readings on Emotions and Cognition - Available on Canvas from 12/2 at 7am until 12/8 at Midnight.