Introduction to Human Memory
Psychology 46A
4.0 Units
Summer Session II 2013

Class Meeting Information
This course meets online

Instructor Information
Name: Dr. Christine Lofgren
Office Phone: (949) 824-8497 (email is preferred form of communication)
Email: Christine.Lofgren@uci.edu
Website: https://eee.uci.edu/13z/68100

Dr. Lofgren is a cognitive psychologist who has spent her second career teaching at UCI, beginning in 1988. She has taught Experimental Psychology, Research Methods in Psychology, Human Memory, Cognitive Science, Developmental Psychology, Human Problem Solving, Introduction to Psychology, Creative Learning in Children, and Education and Children. She served as Director of the UCI Farm Elementary School from 2000 through 2007. Her first career was in engineering, as she holds SB and SM degrees in Electrical Engineering and Computer Science from MIT in addition to her PhD in Psychology from UCI.

Course Description
A variety of sources have led to what we know today about memory. This course will look at the history of thoughts about memory, the ways memory research is conducted, and the current understanding of the systems of memory. Ways of improving memory and applying what is known about memory to learning will be emphasized. The course will include a number of activities that demonstrate different memory phenomena.

Prerequisites — Classes or Knowledge Required for this Course
There are no prerequisites for this course, although an introductory psychology course would be useful.

Course Sequencing
Psychology 46A may not be taken for credit concurrently with or after Psychology 140M or Psychology and Social Behavior 192J. Psychology 46A may be taken in partial fulfillment of GE Requirement III.

Course Objectives
At the end of this course, students will be able to:
- Describe how memory has been regarded throughout history, and compare the role memory played in ancient times and its role today.
- Explain the relationship between memory and other parts of cognition such as learning, perception and sensation, language, and thinking.
- List and compare different types of memory.
• Describe the various ways in which memory is studied, including cognitive experiments, biological approaches, and memory disorders.
• List and give examples of types of memory distortion.
• Describe methods for improving different types of memory.

Course Books and Online Resources
Required books for this course are:
• Dejong, Ton (2004). ZAPS-The Norton psychology labs. New York, NY: Norton. (ISBN: 978-0-393-10686-2) (This is the online code to access the labs—NOT the workbook.)
Copies of the two books are available on reserve in the Langson Library.

Class Format
The class will be exclusively online. There are 20 primary lectures, each accompanied by a ZAP. After completing the lecture and ZAP, there is a related online quiz through the EEE Quiz tool. You will have 15 minutes to complete the quiz, once you have started it. Sharing information with other students about the content of the quizzes or exams or the answers will be considered cheating. Each week a topical forum will be opened using the EEE MessageBoard tool. Each student must make a significant post to the forum and respond to another student’s post. The three exams will be online through the EEE Quiz tool. They must be taken on the specified dates and will be open for one hour. You will have 45 minutes from the time you start the exam to finish it.

Schedule
A weekly schedule is posted on the website. This is for guidance only and you do not have to follow it (except for the due dates). You do have to take the three exams on the set dates, and you must complete all the lectures and related material associated with the exam before the exam. A survey will determine the best time of day for the exams. Note that all times are Pacific Daylight Time (PDT)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date and Time</th>
<th>Material to be Covered Includes:</th>
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<tbody>
<tr>
<td>Midterm 1</td>
<td>Wednesday, August 14</td>
<td>Lectures 1-7 and related materials</td>
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<tr>
<td>Midterm 2</td>
<td>Wednesday, August 28</td>
<td>Lectures 8-14 and related materials</td>
</tr>
<tr>
<td>Final</td>
<td>Wednesday, September 11</td>
<td>Lectures 15-21 and related materials</td>
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ZAPS
There are 20 ZAPS that accompany lectures and 20 related quizzes. In addition, there is a ZAP as part of the Orientation Week exercise. The score from this first ZAP and quiz (ZAP 0 and Class Resources Quiz) can be substituted for your lowest score on the other 20 ZAPS and quizzes. After each exam, the data from our class from the ZAPS will be analyzed and shared.
Forums
There will be a new Forum each week on a selected topic. Each student must make at least one weekly significant post to the forum and respond to at least one other student’s post.

Exams
The three exams will be online through the EEE Quiz tool. They must be taken on the specified dates and will be open for one hour (exact time of day to be determined by a Survey). You will have 45 minutes from the time you start the exam to finish it. Sharing information with other students about the content of or answers to an exam will be considered cheating. No make-up exams will be given. Students who are unable to take an exam at the scheduled day and time because of a documented and serious conflict must notify Dr. Lofgren by email at least two weeks before the exam so alternative arrangements can be made.

Evaluation and Grading

<table>
<thead>
<tr>
<th>Evaluation of Student Performance</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Two Midterms</td>
<td>30%</td>
</tr>
<tr>
<td>One Final</td>
<td>15%</td>
</tr>
<tr>
<td>ZAPS with quizzes</td>
<td>35%</td>
</tr>
<tr>
<td>Forum Participation</td>
<td>20%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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Grading Scale
A  =  90% – 100%
B  =  80% – 89%
C  =  70% – 79%
D  =  60% – 69%

Internet Connectivity
Please ensure that you have a stable Internet connection when you are taking the quizzes and exams. Whenever possible, use a wired connection instead of a wireless connection. Connectivity issues that arise during a quiz may prevent you from completing the quiz or may cause scoring errors. To properly view lectures, you will need to connect using the UCI WebVPN, or use a computer on the campus. For instructions for VPN see How to Install and Configure the VPN Software. Your UCNetID and password are needed to do this. After Orientation Week, the class website will become password protected.

Code of Conduct
All participants in the course are bound by the University of California Code of Conduct, found at http://www.ucop.edu/ucophome/coordrev/ucpolicies/aos/uc100.html.

Netiquette
In an online course, the majority of our communication takes place in the course forums. However, when we have a need for communication that is private, whether personal, interpersonal, or professional, we will use individual email or telephone. Our primary means of communication is written. The written language has many advantages: more opportunity for reasoned thought, more ability to go in-depth, and more time to think through an issue before posting a comment. However, written communication also has certain disadvantages, such a lack of the face-to-face signaling that occurs through body language, intonation, pausing, facial expressions, and gestures.
As a result, please be aware of the possibility of miscommunication and compose your comments in a positive, supportive, and constructive manner.

Emails are business correspondence and as such should include a greeting, body, and signature. The body should be made up of grammatical sentences with correct spelling. The signature should be both your name and student ID number. Specifying your class (Psych 46A) in the subject line will help me send you an accurate response—I am teaching two classes this session. Unsigned emails will not be answered.

**Academic Honesty Policy**

The University is an institution of learning, research, and scholarship predicated on the existence of an environment of honesty and integrity. As members of the academic community, faculty, students, and administrative officials share responsibility for maintaining this environment. It is essential that all members of the academic community subscribe to the ideal of academic honesty and integrity and accept individual responsibility for their work. Academic dishonesty is unacceptable and will not be tolerated at the University of California, Irvine. Cheating, forgery, dishonest conduct, plagiarism, and collusion in dishonest activities erode the University's educational, research, and social roles.

If students who knowingly or intentionally conduct or help another student perform dishonest conduct, acts of cheating, or plagiarism will be subject to disciplinary action at the discretion of UC Irvine Extension.

**Disability Services**

If you need support or assistance because of a disability, you may be eligible for accommodations or services through the Disability Service Center at UC Irvine. For more information, please contact their offices at (949) 824-7494 or visit their website, found at http://www.disability.uci.edu/.
Course Reading Outline

Orientation Week (July 29-August 4)

Week 1 (August 5- August 11)
Readings: Foer: Preface and Chapter 1-The Smartest Man is Hard to Find (pp. 1-19)
          Schacter: Chapter 1- Transience (pp. 12-40)

Week 2A (August 12-August 13)
Readings: Foer: Chapter 2-The Man Who Remembered Too Much (pp. 21-47)
          Schacter: Chapter 2-The Sin of Absent-mindedness (pp. 41-60)

Midterm Exam I (August 14)

Week 2B (Wednesday, August 14- August 18)
Readings: Foer: Chapter 3-The Expert Expert (pp. 49-88)
          Schacter: Chapter 3-The Sin of Blocking (pp. 61-87)

Week 3 (August 19-August 25)
Readings: Foer: Chapter 4-The Most Forgetful Man in the World (pp. 69-88)
          Foer: Chapter 5-The Memory Palace (pp. 89-107)
          Schacter: Chapter 4-The Sin of Misattribution (pp. 88-111)

Week 4A (August 26-August 27)
Readings: Foer: Chapter 6-How to Memorize a Poem (pp. 107-136)
          Schacter: Chapter 5-The Sin of Suggestibility (pp. 112-137)

Midterm Exam II (Wednesday, August 28)

Week 4B (August 28- September 1)
Readings: Foer: Chapter 7-The End of Remembering (pp. 137-162)
          Schacter: Chapter 6-The Sin of Bias (pp. 138-160)

Week 5 (September 2-September 8)
Readings: Foer: Chapter 8-The OK Plateau (pp.163-186)
          Foer: Chapter 10-The Little Rain Man in All of Us (pp. 211-236)
          Schacter: Chapter 7-The Sin of Persistence (pp. 161-183)

Week 6 (September 9-September 10)
Readings: Foer: Chapter 11-The U.S. National Memory Championship (pp. 235-257)
          Schacter: Chapter 8-The Seven Sins: Vices or Virtues? (pp. 184-206)

Final Exam (Wednesday, September 11)