

Psychology 3320: Learning and Memory

Fall Semester 2022

MW 3:00-4:20

Classroom Building C205

Professor: Dr. Wendy S. Francis

Office: Psychology 214 (747-8956)

Lab: Psychology 209 (747-5521)

Hours: MW 4:30-5:30

or by appointment

E-mail: wfrancis@utep.edu

Teaching Assistant:

Office:

Hours:

or by appointment

E-mail:

Required Text:

Baddeley, A. D., Eysenck, M. W., & Anderson, M. C. (2020). *Memory, 3rd Edition*. New York, NY: Psychology Press.

Course Content

The topic of this course is how humans (and animals) learn, remember, and forget. What we learn is stored in the brain and later retrieved when we need to use it. Determining the factors that affect our ability to store, retain, and later retrieve information reveals how the knowledge is organized in the mind and how we access it. The results of such research suggest methods for improving our memory in everyday life and for studying more effectively in school.

Memory researchers have identified different types of memory (e.g., short-term memory, long-term memory, working memory, implicit memory, explicit memory) as well as different techniques for measuring memory and learning. We will study how memory develops across the lifespan from childhood to old age and what happens when a person's memory systems break down, as in amnesia or in Alzheimer's disease. Research with patients has revealed important information about the relationship between memory and the brain, as have "functional neuroimaging" studies of healthy people performing memory tasks. In addition to these topics, we will also discuss eyewitness memory, bilingual memory, and how physiological and psychological states impact memory.

The primary learning objectives for the course are for the student to learn the mechanisms and dynamics of human memory and the role of memory functions in everyday life.

Basis of grading	%	Day, Date	Tentative Coverage
Midterm 1	20%	Wednesday, September 14th	(CH 1-4 + Lectures)
Midterm 2	20%	Monday, October 10th	(CH 5-7 + Lectures)
Midterm 3	20%	Monday, October 31st	(CH 8-14 + Lectures)
Midterm 4	20%	Wednesday, November 16 th	(CH 15-17 + Lecture)
Final Exam	20%	Monday, December 5 th (1:00-3:45)	(Supplementary Readings + Lectures)

Exams: Exams will be multiple-choice, and you will need to bring a Scantron form to each exam. They will cover material from lectures and from the textbook, with an emphasis on the lectures. The final exam will not be cumulative, although understanding the concepts in the later part of the course will depend somewhat on understanding concepts covered earlier. No exams will be dropped, and no make-ups will be given except for

- (1) absences sanctioned by UTEP and arranged in advance
- (2) serious and unavoidable medical circumstances

Attendance: Regular attendance in this course is very important for three reasons. First, a substantial portion of the material and examples given in the lecture are not covered in the text. Second, there will be several demonstrations in class to make the principles more clear. Finally, several of the concepts are difficult to understand just by reading about them. Reading someone else's notes is not the same as being there.

Tentative Schedule of Lecture Topics

Day, Date	Topic	Reading
Monday, 8/22	Introduction to Class, Study Techniques	
Wednesday, 8/24	What is Memory, Memory and the Brain	Chapter 1-2
Monday, 8/29	Memory and the Brain	Chapter 2
Wednesday, 8/31	Short-Term Memory	Chapter 3
Wednesday, 9/07	Working Memory	Chapter 4
Monday, 9/12	Working Memory	Chapter 4
Wednesday, 9/14	EXAM 1	Chapters 1-4
Monday, 9/19	Learning	Chapter 5
Wednesday 9/21	Learning	Chapter 5
Monday, 9/26	Learning	Chapter 5
Wednesday, 9/28	Organizing and Remembering	Chapter 6
Monday, 10/03	Semantic Memory and Stored Knowledge	Chapter 7
Wednesday, 10/05	Semantic Memory and Stored Knowledge	Chapter 7
Monday, 10/10	EXAM 2	Chapters 5-7
Wednesday, 10/12	Retrieval	Chapter 8
Monday, 10/17	Incidental Forgetting, Motivated Forgetting	Chapters 9-10
Wednesday, 10/19	Autobiographical Memory & Eyewitness Memory	Chapter 11-12
Monday, 10/24	Prospective Memory	Chapter 13
Wednesday, 10/26	Memory in Childhood	Chapter 14
Monday 10/31	EXAM 3	Chapters 8-14
Wednesday, 11/02	Memory in Aging	Chapter 15
Monday, 11/07	When Memory Systems Fail, Amnesia	Chapter 16
Wednesday, 11/09	When Memory Systems Fail: AD Improving Your Memory	Chapters 16-17
Monday, 11/14	Improving Your Memory	Chapter 17
Wednesday, 11/16	EXAM 4	Chapters 15-17
Monday, 11/21	Bilingual Memory	TBA
Wednesday, 11/23	Memory in Psychological States & Disorders	TBA
Monday, 11/28	Effects of Physiological States on Memory	TBA
Wednesday, 11/30	TBA	TBA
Monday, 12/05	FINAL EXAM (EXAM 5)	TBA

Course Drop Policy: **September 7th** is the last day to drop a course with full refund and no listing of the course on your record. **October 28th** is the last day to drop a course with an automatic "W." It is the student's responsibility to officially drop any course that he or she no longer wishes to attend.

CASS: If you have a disability and need classroom accommodations, please contact the Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.