Cognitive Psychology (PSY/CGS 3361-001), Fall 2020
Tuesdays and Thursdays, 11:30-12:45

"The test of learning psychology is whether your understanding of situations you encounter has changed, not whether you have learned a new fact." --Daniel Kahneman, 2011

Instructor: Dana Roark, Ph.D.
danar@utdallas.edu
"Live" Online Office Hours: Mondays, 2:30-3:30pm via Blackboard Collaborate

Graduate Teaching Assistant: Ezra Winter-Nelson ezra@utdallas.edu

Undergraduate Teaching Intern: Jolynn Scriven jolynn.scriven@utdallas.edu

You may email Dr. Roark or the TAs at any time…Due to the REMOTE format of this course, it is important that you contact one of us asap with any questions/concerns that you have.

*There is also a **Discussion Board** on our course eLearning page where you can post questions—please make use of it! To access, click here; Discussion Board*

Instructional Mode: *Remote/Virtual*

- Synchronous online lectures will be held Tuesday/Thursday at 11:30-12:45 via the ***Blackboard Collaborate link*** that is on the course menu on eLearning.

NOTE: All students should view this 2-minute tutorial about how to join the live lectures: https://youtu.be/av7qNLFgLN8

- As an asynchronous option, the live lectures will be recorded and posted (with captioning) on eLearning. Students may access these recordings at any time on eLearning.

- All other course materials (except the textbook) will be available on **eLearning** https://ets.utdallas.edu/elearning (more info. about this on p. 3)

Technical Support: Contact the Office of Information Technology Help Desk via e-mail at assist@utdallas.edu or via telephone at 972-883-2911.

Prerequisite: *Introduction to Psychology*, PSY 2301; or *Cognitive Science*, CGS 2301

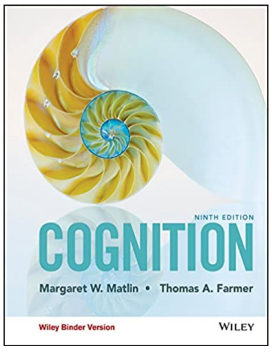
Course Description:
This course is designed to provide students with an overview of the wide-ranging field of cognitive psychology, with an emphasis on the role of cognitive processes play in our everyday lives. Broadly speaking, this includes an introduction to the scientific study of the mind and mental processes (incl. perception, attention, language, working memory, long-term memory, imagery, problem-solving, & decision making. The focus is on the current research and theory in this rapidly evolving field.

Student Learning Objectives:

- Develop a knowledge base in psychology: Describe, explain, and analyze major theoretical perspectives and content areas in psychology (e.g., memory, attention, language, decision making, problem-solving)
- Demonstrate scientific inquiry and critical thinking (includes 2.1 Identify and explain different research methods used by psychologists, 2.2 Employ critical thinking to evaluate bodies of scientific literature and empirical reports in psychology.

Required Textbook and Materials:

Cognition, Matlin, M., & Farmer, T.A., **2015** (**9th ed.**) Wiley ISBN: 978-1-118-98328-7



Available **new & used** at UTD Bookstore, Off-Campus Books, & Amazon

Students may also choose to use an **eTextbook or textbook rental
(e.g., *Chegg.com; Vitalsource.com, & many other outlets).*

IMPORTANT:

- DO NOT buy the newest 10th Edition; the **9th edition** is preferred.
- Earlier editions (8th, 7th, etc.) also are *not* recommended.

- **Additional readings**: PDF's of assigned scientific articles will be available on eLearning.

Attendance

- Each student's participation in this class is assumed, as it is much easier for students to do well in the course when they attend/view the twice-weekly lectures. *This is especially true in a virtual-learning environment.*
- **However, attendance is not a part of your final grade *per se;*** you do not receive "credit" or "extra points" simply for attending/viewing the lectures. Your quiz & exam grades, in part, reflect your attendance and attention during the lectures.
    - There is *no penalty* for not attending the live lectures. Students are free to choose whether to attend the live lectures or whether to view the recorded lectures. Often students will choose a combination of both live and recorded lectures.

Course Website on eLearning

All course-related items will be posted on eLearning

At least twice per week, students should check the course webpage for new documents & other course materials.

eLearning postings will include:

-- weekly PPT lecture notes (student version)
--recorded lectures
--pdfs of assigned articles
(also, "student reading guides" for these articles)
--practice questions for the exams
--chapter review sheets for exams
--course-related announcements

Grading Policy

Final course grades will be based on 3 Exams and 3 Take-home Quizzes.

- Exams: These will be posted online on the assigned exam day (see course calendar). Students will login to eLearning and take the exam at any time between 10AM –10 PM. Exams have a 60 min. time limit. Students are allowed to open the exam ONE time and must complete the exam in one sitting. Exam questions are multiple choice, matching, T/F, etc. (no essays).

- Take-home Quizzes: These quizzes will be posted on eLearning. Students will have a 4-day time window to submit their answers online. Students may work on the quiz throughout that period. However, each student's LAST submission will be the one that goes into the gradebook. Further details about these quizzes will be discussed during the lectures (see course calendar, p.4).

- DO NOT MISS EXAMS AND QUIZZES. Students may make up missed quizzes/exams *only* when they provide a doctor's note, police report, or have some other true emergency. "Forgetting" is not an excuse.
- (Be sure to review UTD's Academic Integrity policy : https://www.utdallas.edu/conduct/integrity/.)

Final grades are calculated using a point system:

Students may earn up to 300 points during the semester:

Exam 1: 75 pts.	Take-home Quiz 1: 25 pts.
Exam 2: 75 pts.	Take-home Quiz 2: 25 pts.
Exam 3: 75 pts.	Take-home Quiz 3: 25 pts.

Final course grades are calculated using a set of a priori criteria:

A range: 268—300 pts.
B range: 238—267 pts.
C range: 209—237 pts.
D range: 174—208 pts.

Course Calendar for PSY/CGS 3361-001, FALL 2020

DATE	TOPIC	TEXTBOOK CHAPTERS
August 18 & 20	Introduction to Cognitive Psychology *Overview of course; Lecture: Foundations of cognitive psychology*	Ch. 1
August 25 & 27	Visual Recognition *object recognition; change blindness; face perception/recognition*	Ch. 2
September 1 & 3	Attention *face recognition; speech perception + visual search & attentional networks*	Ch. 2 *(cont.)*; Ch. 3 Article: Simons & Levin, 1998
September 8 & 10	Working Memory *classic research on working memory; Baddeley's model* Online take-home Quiz 1 due date is Sept. 10th, 10am	Ch. 4
EXAM WEEK	Exam 1 on eLearning, September 17th	(NO CLASS LECTURES THIS WEEK)
September 22 & 24	Long Term Memory *memory encoding & retrieval; role of expertise; implicit memory*	Ch. 5
Sept. 29 & October 1	Long Term Memory; Memory Strategies *flashbulb memories; false memory; mnemonics*	Ch. 5 (*cont.*) & Ch. 6 Article: Loftus, 1997
October 6 & 8	Metacognition; Mental Imagery *metamemory; mental rotation, "imagery debate"*	Ch. 6 (*cont.*) & Ch. 7

October 13 & 15	<u>Cognitive Maps</u> *spatial cognition; mental maps* Online take-home Quiz 2 due date is Oct. 15, 10am	Ch. 6 (*cont.*) & Ch. 7
EXAM WEEK	Exam 2 on eLearning October 22nd	(NO CLASS LECTURES THIS WEEK)
October 27 & 29	<u>Decision-Making</u> *deductive reasoning & heuristics*	Ch. 12
November 3 & 5	<u>Decision-Making</u> (more heuristics)	Ch. 12 (cont.)
November 10 & 12	<u>Problem-Solving</u> *methods for solving problems*	Ch. 11
November 17 & 19	<u>Problem-Solving</u> *Insight, creativity, & motivation* Online take-home Quiz 3 due date is Nov. 19, 10am	Ch. 11 (cont)
November 24	***NO LECTURE***	
Exam 3 on eLearning on Thursday, Dec. 3rd		

The descriptions and timelines above <u>are subject to change</u> at the discretion of the professor.

Research Exposure Credit Requirement (REC)

A requirement of all students enrolled in this class is completion of ONE research exposure credit. This requirement provides students practical and direct experiences with research and is an important means to understanding behavioral research.

Students may sign up for experiments on the SONA website: https://utdallas.sona-systems.com

Failure to complete the research exposure requirement will result in lowering your total grade in this class. If you fail to complete your credit, your course grade will be reduced by 1/3 letter grade. For example, if you do not complete the required credit and your grade for all other course requirements is an A+, then your grade would be lowered from an A+ to an A.
THE DEADLINE FOR COMPLETION OF RESEARCH EXPOSURE CREDITS IS NOVEMBER 25TH, 2020

NOTE: **This requirement is NOT administered by Dr. Roark; it is administered by the BBS Department.**
Should you have questions/concerns about this requirement, please email one the TAs for this course (see contact info. on p. 1).
Or, you may email BBS Academic Support coordinator, Cathy Do: *cathy.do@utdallas.edu*

****A handout with additional details about this requirement is posted on the eLearning page for this course****

Class Recordings

Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. **Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation**. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

The instructor may record meetings of this course. Any recordings will be available to all students registered for this class as they are intended to supplement the classroom experience. Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. If the instructor or a UTD

school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law. Failure to comply is a violation of the Student Code of Conduct.

Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the Student Code of Conduct.

Social Media Use

The Student Code of Conduct includes behaviors conducted via any digital platform. Students may not use any digital platform to seek/provide unauthorized assistance for any assignment done for academic credit. Students may not use any digital platform to impersonate or represent any person other than themselves. Please consult with your instructor for assistance.

Academic Integrity

The faculty expects from its students a high-level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that a student demonstrates a high standard of individual honor in his or her scholastic work. See https://www.utdallas.edu/conduct/integrity/.

Academic Dishonesty: Academic dishonesty can occur in relation to any type of work submitted for academic credit or as a requirement for a class. It can include individual work or a group project. Academic dishonesty includes plagiarism, cheating, fabrication, and collaboration/collusion. In order to avoid academic dishonesty, it is important for students to fully understand the expectations of their professors. This is best accomplished through asking clarifying questions if an individual does not completely understand the requirements of an assignment. For additional info: https://www.utdallas.edu/conduct/dishonesty/

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