



**PSY 350: Cognitive Psychology (Spring 2025)
COURSE SYLLABUS**

Instructor: Curt A. Carlson, Ph.D.

Email: curt.carlson@tamuc.edu

Office Hours (zoom): M 9-11a, W 9-10:30a, F 9-10:30a

<https://tamuc.zoom.us/j/96313631935>

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

Textbook: *Cognitive Psychology* (2019, 5th edition) by Goldstein

Student Learning Outcomes

1. You will learn about cognitive psychology as an empirical laboratory-based scientific discipline.
2. You will also learn about how to apply some principles of cognitive psychology in order to improve certain aspects of your life (e.g., studying for exams).

Course Description

This course provides an overview of cognitive psychology, which is a laboratory-based science investigating the mental processes that allow us to perceive the world around us, attend to certain parts of it, store information for later retrieval, interact with other human beings through the use of language, and make decisions prior to performing actions. Of course, these processes are not perfect, but rather are quite error-prone. Cognitive psychology has uncovered some of the reasons behind these errors, and has even suggested many solutions and/or short-cuts that can help us avoid some of them.

Although most of what we know about cognitive psychology has arisen from controlled laboratory experiments, it impacts your everyday life in many ways. For example, many airplane crashes are due to cognitive errors on the part of the pilot or air traffic controller. Car accidents are often due to distracted drivers talking or texting on their smart phones or interacting with their GPS systems. Kirk Bloodsworth was positively identified by five eyewitnesses and sentenced to death, but eventually exonerated by DNA evidence. Over 350 individuals in the U.S. have been exonerated based on DNA evidence, and approximately 70% of these were

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due, at least in part, to mistaken eyewitness identification. We will learn about the cognitive errors that can drive these mistakes leading to miscarriages of justice.

My goals in this course are to present the laboratory-based foundation on which cognitive psychology is built and to make that information relevant to you through examples. To help you develop an appreciation of the laboratory-based approach, you will read some journal articles that describe experiments. You will leave this class with a good grounding in cognitive psychology, its methods and theoretical outlook, and an ability to capitalize on this knowledge to improve the quality of your mental life (e.g., improved study habits, enhanced memory, the knowledge to make better decisions) as well as understand the cognitive principles that underlie these improvements.

COURSE REQUIREMENTS

Quizzes

After completion of each topic, you will be quizzed over that material. There are two reasons for these quizzes. First, they should encourage you to keep on top of the reading, in order to ensure that you do not fall behind in the course. Second, research has shown that repeated testing enhances retention of material. We will make use of this finding in order to increase your performance on exams and to help you remember the information after the course has been completed.

Reading Summaries

For two selected topics, you will be required to submit in D2L a Reading Summary (as a Word document: .doc or .docx) of an article I've posted in D2L for everyone to read. The summary must be 1-2 pages long (single-spaced, max 12-point font, 1-inch margins). Prior to submitting in D2L, be sure your summary is a .doc or .docx file, and label as: "LastNameFirstNameA#" with # designating the assignment number (1-2). Reading summaries will NOT be accepted late unless I give you permission in advance.

Exams

There are three exams. The first exam is worth 18%, the second exam is worth 20%, and the final exam is worth 22% of your overall grade.

Grading

- There will be 10 quizzes, which add up to be worth 20% of your overall grade (2% each).
- You earn up to 10% of your overall grade for each reading summary completed correctly and submitted on time. There are two readings for a total of 20% of your overall grade.
- There are 3 exams, including the final. The first exam is worth 18%, the second exam is worth 20%, and the final exam is worth 22% of your overall grade.

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- Toward the end of the syllabus below, you will see instructions about the department's Sona Experiment Management System. There is a research exposure requirement in this class, meaning that you either need to participate in five credits (hours) of online studies, or summarize a research article (email me for this option). If you do not complete this requirement by the end of the semester, your final grade will be reduced by 10%.

You need 90% or better for an 'A', 80% or better for a 'B', 70% or better for a 'C', and 60% or better for a 'D'. Below 60% results in an 'F'.

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

Zoom Video Conferencing Tool

https://inside.tamuc.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a East Texas A&M University campus open computer lab, etc.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

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<https://community.brightspace.com/support/s/contactsupport>

COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your instructor.

Interaction with Instructor Statement

It is best to communicate with me via email (curt.carlson@tamuc.edu). I will respond to emails within 24-48 hours. Please do not re-send your email unless at least 48 hours have passed since your last email.

Course Specific Procedures/Policies

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct can be found at <https://www.tamuc.edu/student-code-of-conduct/>.

If you believe someone has engaged in behaviors that do not align with the Code of Student Conduct or you have other concerns, please visit the File a Report page at <https://www.tamuc.edu/office-of-student-rights-and-responsibilities/concerns-incident-reporting/>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:
<https://www.britannica.com/topic/netiquette>

Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

Undergraduate student academic dishonesty policy
[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

The syllabus/schedule are subject to change.

Undergraduate student academic dishonesty policy
[Undergraduate Student Academic Dishonesty Form](#)

Graduate student academic dishonesty policy:
<https://inside.tamuc.edu/aboutus/policiesproceduresstandardsstatements/rulesProcedures/13students/graduate/13.99.99.R0.10.pdf>

Graduate student academic dishonesty form:
<https://inside.tamuc.edu/academics/graduateSchool/faculty/GraduateStudentAcademicDishonestyForm.pdf>

East Texas A&M University Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage.

Artificial Intelligence

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, Chatbots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Services
Velma K. Waters Library- Room 162
Phone (903) 886-5930

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Fax (903) 468-8148

Email: StudentDisabilityServices@tamuc.edu

Website: <http://inside.tamuc.edu/campuslife/campusServices/StudentDisabilityServices/default.aspx>

Mental Health and Well-Being

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.



East Texas A&M University Supports Students' Mental Health

The Counseling Center at East Texas A&M University, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

Nondiscrimination Notice

East Texas A&M University will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M University Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

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For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M University campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE / CALENDAR

This schedule is to be used as a guide. It is possible for it to change.

Week	Topic
1/13 - 1/17	Week 1; Read syllabus, Introduce yourselves in D2L, start Chapter 1
1/20 - 1/24	Week 2; Finish Chapter 1; Online lecture; Quiz 1
1/27 - 1/31	Week 3; Chapter 2: Cognitive Neuroscience; Online lecture: Research Methods & Brain; Quiz 2
2/3 - 2/7	Week 4; Chapter 3: Perception; Online lecture; Quiz 3; Summary 1
2/10 - 2/14	Week 5; Chapter 4: Attention; Online lecture; Quiz 4
2/14	EXAM 1: Chapters 1 - 4; Found in Topic 5 in D2L
2/17 - 2/21	Week 6; Chapter 5: Short Term and Working Memory; Online lecture; Quiz 5
2/24 - 2/28	Week 7; Chapters 6: Long-Term Memory Structure; Online lecture: Encoding
3/3 - 3/7	Week 8; Chapter 7: LTM: Encoding, Retrieval, Consolidation; Quiz 6; Summary 2
3/10 - 3/14	Week 9: SPRING BREAK
3/17 - 3/21	Week 10; Chapter 8: Everyday Memory & Errors; Online lecture: Retrieval & Eyewitness ID; Quiz 7
3/21	EXAM 2: Chapters 5 - 8; Found in Topic 9
3/24 - 3/28	Week 11; Chapter 9: Knowledge; Online lecture: Concepts & Storage; Quiz 8
3/31 - 4/4	Week 12; Chapter 10: Visual Imagery; No quiz or online lecture
4/7 - 4/11	Week 13; Chapter 11: Language; Online lecture; Quiz 9 ; Steven Pinker online lecture
4/14 - 4/18	Week 14; Chapter 12: Problem Solving; Online lecture; Quiz 10
4/21 - 5/2	Weeks 15-16; Chapter 13: Judgments and Decision Making; Online lecture
5/7	EXAM 3: Chapters 9 - 13; Found in Topic 13

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Students' Guide to Research Participation
Department of Psychology & Special Education
East Texas A&M University University

- **What is Research Participation?**

Exposure to research is essential to your gaining a better understanding of the scientific study of psychology. It is how we add new knowledge in psychology. Being involved in research is a good way to experience first-hand and learn about the scientific enterprise. We believe there are two key ways to experience research activity at this level: 1) read about related scientific investigations; 2) experience research as a volunteer participant; or some combination of both. The class in which you received this handout requires you to fulfill several research credits through one or both of these activities. Or, research participation is by extra credit – ask your instructor if you are not sure whether or not it is required.

- **What if I am not yet 18 years old?**

In order to participate in research you must be at least 18 years old. If you are not yet 18 years old, please see your instructor, and ask him/her about alternative ways of earning research credit.

- **In what type of research studies will I participate?**

All studies you will participate in have been reviewed and approved by the ETAMU Institutional Review Board (IRB) and by the Department of Psychology & Special Education. Studies vary widely. Many involve completing questionnaires or carrying out tasks on the computer. Some are even fun, and you'll learn something from all of them.

- **What are my rights as a research participant?**

Your participation is voluntary and you may withdraw from any study at any time. Your data will be kept confidential. If you have any further questions about your rights as a research participant, you may contact the IRB (IRB@tamuc.edu). More information about your rights will be provided to you prior to each study for which you sign up.

- **How will my research participation credit be calculated?**

You will receive 1 credit for each hour of research participation. Studies lasting 15 minutes or less are worth 0.25 credit. For example, a 15 min. study = 0.25 research credits; 30 min. = 0.5 credits; 45 min. = 0.75 credits; 60min = 1 credit; 1½ hours = 1.5 credits... etc.

- **How many research credits may I complete?**

You are encouraged to participate in as much research as you wish, but at a minimum you must complete the number of research credits specified by your instructor (by participating in research, or alternative assignments, or a mixture of both).

- **What if I cannot go to a study I signed up for?**

If for whatever reason you cannot attend a study that you have signed up for you need to cancel your appointment before the start of the study. There are two ways to cancel an appointment. First, if you cancel 24 hours before a study you can do this online through the Experiment Management System (EMS) website. Second, if it is the same day of the study you can call or email the experimenter – their contact information will be available in the EMS.

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- **What if I sign up for a study but forget to go?**

If you fail to show up for a study (without canceling prior to the start of the study) you will receive an email alerting you that you were listed as a “no show” for that study. Additionally, on the EMS website you will see a “failure to appear” message in your list of studies completed.

- **What will happen if I fail to participate in studies or do the alternative assignments?**

You will be penalized if participation is required, and this penalty is up to your instructor.

- **What if I do not wish to participate in research studies?**

If you do not wish to participate in research studies, you may utilize the alternative assignment option. You must consult your instructor for information about this option.

- **What is the difference between an online study and a laboratory study?**

There are two types of studies that are conducted through the EMS system. You can sign up for both online studies and laboratory studies through the EMS system, however you are only allowed to complete 50% experiment credits through online studies (the system will not allow you sign up for more than 50% credits of online studies). A laboratory study requires that you attend the experiment at a specific time and place.

- **How do I find and sign up for research participation opportunities?**

Throughout the semester, researchers in the Psychology Department will post their research studies in the Experiment Management System (EMS) online. It is up to you to check the EMS regularly to find and sign up for research studies that fit into your schedule. Detailed instructions for how to use the EMS are listed in the following pages of this handout.

How do I use the Experiment Management System (EMS)?

(Create a new participant account unless you already have one and your login information works. If you do not remember your login information click on the “lost your password?” on the front page of the EMS website and follow the directions on the site, and if that does not work email curt.carlson@tamuc.edu. A list of courses will be presented, from which you must select the courses you are taking this semester for which you will receive credit for participation. If your course is not listed, see the instructor for that course.)

A. How to create a participant account on the EMS

1. Go to <http://tamuc-commerce.sona-systems.com/>
 - a. Click on New Participant “request an account here” link on the left of the screen.
 - b. This takes you to a screen on which you must enter your name, a unique User ID, your University ID number, and primary email address (reminders of studies you sign up for will be sent to that email address). You will also need to highlight the course(s) in which you are enrolled, and for which you will be earning credits. If more than one, highlight all that will be involving you in research participation. However, each study in which you participate will only provide you credit for ONE course. In other words, there is no “double-dipping” allowed. **BE CAREFUL TO SELECT THE CORRECT COURSE AND SECTION # – IF YOU CHOOSE THE WRONG ONE, YOUR INSTRUCTOR WILL NOT BE INFORMED OF YOUR CREDITS!** After you submit your information, you will be emailed your login information. (After you have received your login information, I recommend that you login into EMS and go to your “Profile” and change your password to something that you can remember.)

If you encounter any problems with creating your account (e.g., login information not sent to you), contact the EMS administrator, curt.carlson@tamuc.edu with your full name and a detailed description of the problem.

2. When you first log into the EMS at the beginning of the semester you will be asked to take a prescreen survey. This is a short survey that researchers will use to decide if you meet the specified requirements for some studies (e.g., as a researcher I may only allow participants who are female. If you do not complete the prescreen you will not be eligible to participate in this study). In other words, if you do not complete the prescreen you will have fewer studies that you are eligible to participate in. **IF YOU COMPLETE THE PRESCREEN IN THE FIRST TWO WEEKS OF THE SEMESTER YOU WILL GET 0.5 CREDIT.** Take it even if you have done it before – it has probably changed, and you will still earn the 0.5 credit.

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3. You are now ready to use the EMS to sign-up for research studies.

B. Sign-up for studies—login to the EMS with your User ID and password that was emailed to you after creating your account

1. Click **Study Sign-Up**. A list of all available studies for which you qualify will appear. You can sign-up by clicking on either the study name or **Timeslots Available**, and you will go to a new screen showing more information about the study, with a link to **View Time Slots for This Study**.
2. Click the **Sign-Up** button to schedule your time. Online studies will generally have just one timeslot with a set max number of students who can participate. Simply select that timeslot, and it will inform you how long you have to participate in the study.

C. Canceling a Sign-Up

1. If you need to cancel a timeslot you have signed up for, you can do this from the **My Schedule and Credits** page. Choose the **My Schedule and Credits** option from top toolbar.
2. You will see listed all of the studies for which you have signed up, as well as those you have completed (see the Tracking Your Progress section below for more information).
3. Studies for which you have signed up that you are allowed to cancel will have a **Cancel** button next to them.
4. If you cancel the first part of a two-part study, the second part will also be cancelled. If you cancel the second part of a two-part study, the first part will *not* be cancelled, but you will need to ask the researcher to sign you up for the second part again, if you would like to participate in it at a later date. However, this is up to the researcher.

D. Tracking Your Progress

1. You may track your progress at any time by choosing the **My Schedule and Credits** option from the top toolbar.
3. When you view this page, you will see at the top a list of the number of credits you are required to earn, and how many you have earned so far. Below that, if you have signed up for any studies, those are listed as well. In the list of studies, you will see information about your credit status.

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Note: Your login session will expire after a certain period of inactivity, usually 20-60 minutes. This is done for security purposes. If this happens, you can always log in again. When you are finished using the system, it is better to explicitly log out, to prevent any problems that may arise if someone uses your computer before the session expires. This is especially important if you are using a public computer lab.

E. Frequently Asked Questions

1. Immediately after I login, as soon as I click on any menu option, I am taken back to the login page and I see a message that my authentication has expired. What does this mean?

Your web browser is not properly configured to accept cookies. You should turn on cookies in your web browser, use a different web browser (for example, try Firefox if you are currently using Internet Explorer), or try a different computer. Detailed instructions can be found if you go to the site and enter the URL "cookie_help.asp" in place of "default.asp" in the address bar of the browser, when you are on the front page of the site.

2. I participated in a study, but I have yet to receive credit. How do I receive credit?

The researcher must grant you credit. This is usually done within a few days after your participation. If it has been some time and you have still not received credit, contact the researcher (his or her contact information should be listed when you click on the study name within the system).

3. How do I change the email address where email notifications from the system are sent?

You can change the email address where notifications are sent by going to **My Profile** and editing the email address you see there.

4. Should I keep some sort of record of my participation and credits earned?

The system will keep track of the credits you earn and your instructor will have access at the end of the semester to a report of credits earned by students enrolled in the class. It is a good idea, however, to occasionally print a personal copy of your credits earned and hold on to that printout as a back up to the system.

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