



PSY 413: Research Apprenticeship

COURSE SYLLABUS: Fall Spring

INSTRUCTOR INFORMATION

Instructor: Shulan Lu, Ph.D., Professor of Psychology

Office Location: Henderson 220

Office Hours: Mon (2-4pm); Wed (2-4pm); and Fri (3-4pm).

University Email Address: shulan.lu@tamuc.edu

Preferred Form of Communication: I will reply to your email within 24-48 hours during the week. It will take longer if you email me during the weekend.

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

There is no textbook. Instead, I will assign relevant reading materials each week. The assigned readings will be from the published psychological research, learning and instruction research.

Course Description

This course involves two primary elements:

- 1) Weekly lab meetings, during which one of three things will occur:
 - a) I will lecture about research methods and relevant research on artificial intelligence, learning and memory.
 - b) Training on experiments that we will run in the lab this semester, including IRB training.
 - c) Reading and discussing a research article each week. A few times during the semester, you will be in charge of leading discussion (more on this below).
- 2) Attending your weekly timeslots in the lab so that you can run participants through our experiments, and possibly also complete other work we provide (e.g., literature review, implementing bits and pieces of an experiment, data coding/analysis).

The syllabus/schedule are subject to change.

Student Learning Outcomes

1. You will learn how to digest psychological research articles, including interpretation of graphs.
2. You will learn about topics from psychology, artificial intelligence in education, learning and instruction.
3. You will learn how to interact with participants and how to run them through experiments.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

Using Microsoft Word, Excel, and PowerPoint

Using AI powered search and research platform such as perplexity, AI, Gemini Deep Research, and Google Notebook.

Accessing and using the East Texas A&M University Library electronic databases

Instructional Methods

All content in this course will take place in the Cognitive Science Lab (Henderson 216-220). Typically you are expected to be in the lab each week. Periodically students can attend meetings via zoom upon my approval.

ATTENDANCE AND PARTICIPATION REQUIREMENTS

You are required to attend the lab meeting each week, and to be in the lab during your assigned time slots. If you cannot attend any part of your upcoming timeslots, you must provide notice (to myself or a graduate RA) at least one week in advance. Moreover, you need to make an effort to get another RA to cover your slot.

Both lab meeting time and lab research hours will be discussed with students at the beginning of the semester. Typically we expect students to allocate 6-8 hours in the lab each week. Depending on students' schedules (e.g., mid term), our lab will have some flexibility.

For student's contribution to research and co-authorship, we follow the CreDiT Taxonomy <https://credit.niso.org/>.

There will be no quizzes or tests of any kind in this course.

Your grade will be either Satisfactory or Unsatisfactory based largely on your attendance during the semester, both for lab meetings and your timeslots.

COMMUNICATION AND SUPPORT

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

The syllabus/schedule are subject to change.

Interaction with Instructor Statement

If you email instructor and do not receive an email response within 24 hours, most likely, your email was not received. Instructor will respond to all emails within a reasonable period of time.

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. A reasonable attempt will be made to communicate any changes.

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 is described in detail in the Student Guidebook.

http://www.tamuc.edu/student_guidebook/Student_Guidebook.pdf

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>

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.

13.99.99.R0.03 Undergraduate Academic Dishonesty 13.99.99.R0.10 Graduate Student Academic Dishonesty

EAST TEXAS A&M UNIVERSITY Attendance

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

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<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

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 Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

INSTRUCTOR'S STATEMENT RELATING TO ACADEMIC INTEGRITY

Academic Honesty and Integrity: I cannot emphasize the following enough or too much. Far too many students are "finding out the hard way" that instructors and the university are extremely serious about our policies relating to academic integrity and honesty, and this is true in both web-based and face-to-face classes. Each environment has its own set of security needs, and these are addressed by instructors in various ways. In the simplest of terms, NEVER engage in any behavior or practice that is dishonest or misleading in any way. You must ALWAYS do your work and only your own work. NEVER have another student do work for you and then present it as your own. NEVER agree to do another student's work, and NEVER do another student's work. NEVER copy information from an internet source or another source, online and otherwise, and present it as your own.

Artificial Intelligence

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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

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

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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.

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.

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