Course Syllabus

CSCI595-01W

Research Lit & Techniques

Spring, 2025

Class Meetings: Online through D2L Brightspace (Web-based),1/13/2025-5/9/2025

Instructor:

Name:	Dr. S. Suh, Regents Professor, Texas A&M University System Professor, Department of Computer Science, ETAMU
Office:	Jour 223;
Office Hours:	TBA
Phone:	903.468.8199;
E-mail:	sang.suh@tamuc.edu (Preferred form of communication)

Communication and support:

Preferred form of communication:	Email
Communication response time:	48 hours

Textbook required:

- Paul Deitel and Harvey Deitel, Intro to Python for Computer Science and Data Science, ISBN: 978-0-13-679381-6, Pearson, 2020
- Chuck Easttom, Quantum Computing Fundamentals, ISBN: 978-0-13-679381-6, Pearson, 2021.

Supplementary Textbooks:

- Shelly, G., & Rosenblatt, H.J. System Analysis and Design - 9th Edition, Shelly Cashman Series, 2012, ISBN-13: 978-1-133-27405-6 or ISBN: 0-538-48161-7
- Lazar, J., Feng, J. H., & Hochheiser, H. Research methods in human-computer interaction. John Wiley & Sons. 2010
- Creswell, J. W. Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. Fourth Edition. Sage. 2013.
- Berndtsson, M., Hansson, J., Olsson, B., & Lundell, B. Thesis Projects: A Guide for Students in Computer Science and Information Systems Second Edition. Springer. 2007.

Course Description:

A course designed to acquaint the student with the role of research in the initiation, development and modification of concepts and theories in computer science. A final written report and presentation and/or demonstration of results obtained during the course will be made to interested faculty members and students. Prerequisite: Completion of the required core courses.

STUDENT LEARNING OUTCOMES (SLO):

1. Understand various research methods and techniques in computer science that lead to successful research
2. Read, critique and write technical articles in computer science
3. Design and implement a substantial project on a specific computer science problem
4. Communicate effectively both orally and as a written paper

COURSE REQUIREMENTS:

Minimal Technical Skills Needed

Using Microsoft Word and PowerPoint, using presentation and graphics programs, etc.

Instructional Methods

Delivery modalities: Face to face blended with D2L online platform
Course structure: Lecture-oriented course
Learning activities: Interactive problem-solving in class, Q&A session, team projects and exercise practice
Assessments: Quizzes, tests, project development, and presentation

Tips for Success in the Course

Completion of weekly exercise assignment (2 hours estimated weekly)
Weekly preview of chapters to be covered (2 hours estimated weekly)
Review of chapters covered (1 hour estimated weekly)

Student Responsibilities:

Regular attendance of class. In case of absence, the student is responsible for the make-up of covered material.

Relationship between the assessments and course-level student learning outcomes:

Student Learning Outcomes	SLO1	SLO2	SLO3	SLO4
Assessment Methods Used	Presentation, Paper	Presentation, Paper	Program	Presentation, Paper

TECHNOLOGY REQUIREMENTS (LMS)

All course sections offered by ETAMU 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

YouSeeU Virtual Classroom Requirements:
https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements

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 campus open computer lab, etc.

COMMUNICATION AND SUPPORT

Brightspace Support

Need Help?

Student Support

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

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:

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

System Maintenance

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. You may experience minimal impacts to performance and/or look and feel of the environment.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Policies:

Attendance/Lateness: Students are expected to be present at all class lectures. The maximum number of excused absences allowed per semester will be 3. 3 or more absences will automatically result in F as course grade.

Late Work: Under no circumstances will the late work be accepted. If a student is absent from class on the due date of any assignment, they are expected to make alternative arrangements to assure that the assignment is turned in ON TIME. Credit will be given for ONLY those assignments, programs, and/or projects turned in no later than the deadline as announced by the instructor of this class.

Missed Exams and Quizzes: Missed exams and quizzes will result in 0 in all circumstances.

Extra Credit: No extra credit work will be given under any circumstances.

Withdrawal: Any student wishing to withdraw from the course must do so officially as outlined in the class schedule. THE INSTRUCTOR CANNOT DROP OR WITHDRAW ANY STUDENT.

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 is described in detail in the Student Guidebook. http://www.tamuc.edu/admissions/registrar/documents/studentGuidebook.pdf Students should also consult the Rules of Netiquette for more information regarding how to interact

with students in an online forum: Netiquette
http://www.albion.com/netiquette/corerules.html

Attendance:

For more information about the attendance policy please visit the Attendance webpage and Procedure 13.99.99.R0.01.
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:

ETAMU 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 at ETAMU 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

ADA STATEMENT

Students with Disabilities:

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 Resources and Services:

ETAMU
Gee Library- Room 162, Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu
Website: Office of Student Disability Resources and Services
http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/

Nondiscrimination Notice:

ETAMU 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 ETAMU 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 ETAMU 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 ETAMU campuses. Report violations to the University Police Department at 903- 886-5868 or 9-1-1.

Smoke, Vapor & Tobacco Free Environment:

University Procedure 34.05.99.R1 now prohibits the use of vapor/electronic cigarettes, smokeless tobacco, snuff and chewing tobacco inside and adjacent to any building owned, leased, or operated by ETAMU.

Method of Evaluation (*Tentative*):

Introduction`	(10%)
Literature review	(10%)
Methodology	(10%)
Presentation and Slides	(10%)
Final paper	(60%)

Final grades in this course will be based on the following scale:
A = 90%-100%
B = 80%-89%
C = 70%-79%
D = 60%-69%
F = 59% or Below

COURSE OUTLINE/CALENDAR:

WEEKS	SUBJECTS TO BE COVRED
1 (1/13)	Introduction
2 (1/20)	Problem Identification (PI)
3 (1/27)	Presentation for PI
4 (2/3)	Literature Review (LR)
5 (2/10)	Presentation for LR
6 (2/17)	Methodology & Design (MD)
7 (2/24)	Presentation for MD
8 (3/3)	Midterm report and presentation
9 (3/10)	Spring Break
10 (3/17)	Implementation phase I
11 (3/24)	Implementation phase II
12 (3/31)	Implementation phase III (testing)
13 (4/7)	Implementation phase IV (document)
14 (4/14)	Report/Paper draft
15 (4/21)	Final report/paper writing; Final presentation review
16 (4/28)	Final demos with presentation, Final Report Submission
17 (5/5)	Course Review QnA