CSCI 359.01W System Analysis and Design
COURSE SYLLABUS: Fall 2023

INSTRUCTOR INFORMATION

Instructor: Amy Hays M.S., Computer Science
Office Location: RELLIS TBA
https://tamuc.zoom.us/j/92711096337?pwd=cS9UZllXb2xIc2V1dGtoNnArcDZ5UT09
Office Hours: TBA
Other times by appointment only via email
University Email Address: amy.hays@tamuc.edu
Preferred Form of Communication: For all emails, make sure the email the subject line reads: "CSCI 359.01W~~".
Communication Response Time: 48 hours

TEACHING ASSISTANT

Teaching Assistant: TBA
TA Email: TBA

COMPUTER LAB

Locations: Journalism Rm. 101 & 200
Hours: 9 am to 9 pm, Monday – Friday

COURSE INFORMATION

Lecture: Online web based through D2L.

Class Textbook:
- Systems Analysis and Design in a Changing World (7th Edition), 2016, John W. Satzinger, Robert B. Jackson, Stephen D. Burd, Cengage, ISBN: 9781305117204 or eBook ISBN: 9780357687833. (Required)

The professor will make supplementary information for the course available online. These include class notes, assignments, PowerPoint slides, class announcements, the

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course syllabus, test dates, etc. The professor will announce in class when such information becomes available electronically. It is the student's responsibility to follow these announcements.

Course Description

The content of the system analysis and design life cycle (SDLC) in this textbook closely mirrors what our student audience will face in the local area job market. One of the best ways to learn SDLC is through case studies and this textbook has a running case study throughout each chapter better than the other competing textbooks.

The main objective of this course is to teach students a comprehensive, balanced, and up-to-date coverage of traditional and object-oriented approaches to systems analysis and design.

Prerequisites: CSCI 270 (Min Grade C) or COSC 2336 (Min Grade C)

Student Learning Outcomes

Upon completion of this course, students will be able to:
1. Understand concepts relating to different types of information systems
2. Explain the purpose and activities of the systems development life cycle phases
3. Understand project management techniques
4. Identify and understand system inputs and outputs
5. Understand and model system entities and data stores
6. Understand and model system processes, events, and data flows within a system
7. Understand and model classes of data within a system
8. Understand concepts relating to various models, tools, and techniques used in system analysis and design.

COURSE REQUIREMENTS

Instructional Methods

D2L will be the method of presentation for the entire course. Please go to myLeo, and find D2L in Apps. All course materials will be found in D2L.

Student Responsibilities

It is the students' responsibility to keep up with the schedule. Makeup work (exams, quizzes, discussions, or assignments) will only be permitted in cases of emergency with proper documentation, or prior rescheduling. To reschedule contact me before the due date with a valid reason and suggested make up dates will be given.

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Please feel free to contact me and come to office hours to ask questions and get clarifications or assistance.

GRADING

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

Assessments

Basis for Evaluation:

Assignments	20%
Project Presentations	20%
Quizzes	20%
Exams	20%
Final Exam	20%

TECHNOLOGY REQUIREMENTS

LMS

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

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 late work. Each student needs to have a backup method to deal with these inevitable problems.

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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 TAMUC campus open computer lab, etc.

COMMUNICATION AND 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

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

You should do your own work on exams and assignments. Copying another student's work is not acceptable. Any indication of cheating or plagiarism on an exam/assignment will result in an automatic 0 (zero) for the exam/assignment for all students involved. Yet, based on cheating and plagiarism activity in any section of the class, the instructor holds the right to give the grade of F to the identified student(s) for the section. Regarding codes in assignments, you may be required to explain the code you submitted. In case of discursive explanation, the instructor holds the right to lower your grade. No makeup exams or assignments unless documents explaining the emergency are provided.

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.

Late Policies

Credit will be given for ONLY those exams, quizzes, and assignments turned in no later than the deadline as announced by the instructor of this class unless prior arrangement has been made with the instructor.

Late assignments can gain partial credit upon the following policy. As per University requirements, assignments submitted within 7 days after the deadline can receive up to 20% deduction, assignments submitted between 8-14 days after the deadline can receive up to 50% deduction.

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- **No assignments and projects will be accepted two weeks after the assigned due date**
- **No assignment will be accepted after the term end day**
- Exceptions to this policy will only be made in extraordinary circumstances. Please let me know your circumstances.

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/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx

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

TAMUC 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

Students at Texas A&M University-Commerce 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

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AI use in Course

Texas A&M University-Commerce 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

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:

Student Disability Services
Texas A&M University-Commerce
Waters Library - Room 162
Phone (903) 886-5150
Fax (903) 468-8148
Email: studentdisabilityservices@tamuc.edu
Website: https://www.tamuc.edu/student-disability-services

Nondiscrimination Notice

Texas A&M University-Commerce 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.

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Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce 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 A&M-Commerce 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 A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

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COURSE OUTLINE / CALENDAR

Week of	Topic	Textbook Reading
Introduction to System Development		
Aug 28	Overview of systems analysis and design, Project teams and topics	Ch 1
Systems Analysis Activities		
Sep 4	Investigating System Requirements	Ch 2
Sep 11	Identifying User Stories and Use Cases	Ch 3 (Quiz 1)
Sep 18	Domain Modeling	Ch 4
Sep 25	Use Case Modeling	Ch 5 (Exam 1)
Essentials of Systems Design		
Oct 2	Foundations for Systems Design	Ch 6
Oct 9	Defining the systems architecture	Ch 7
Oct 16	Designing the user interface	Ch 8 (Quiz 2)
Oct 23	Designing the database	Ch 9
System Development and Project Management		
Oct 30	Approaches to system development	Ch 10
Nov 6	Project Planning and Project Management	Ch 11 (Exam 2)
Advanced Design and Deployment Concepts		
Nov 13	Object-Oriented Design: Fundamentals	Ch 12
Nov 20	Object-Oriented Design: Use case realization	Ch 13 (Quiz 3)
Nov 27	Deploying the new system	Ch 14
Dec 4	Review	
Final	Exam Due – Thursday, Dec 14th at 11:59 pm.	

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