

CIS 4379-110, 80277, Software Engineering for E-Business

Fall 2022

Texas A&M University-Central Texas

COURSE DATES, MODALITY, AND LOCATION

This is a 100% online course and uses the A&M-Central Texas Canvas Learning Management System [<https://tamuct.instructure.com/>]. The course is delivered in asynchronous format where you will get the material and the assignments delivered via Canvas. Additionally, I am managing to have virtual hours related to the project and the technical parts of the course.

INSTRUCTOR AND CONTACT INFORMATION

Instructor: Dr. Khaldoon Dhou

Office: FH 323

Phone: (254) 501-5933

Email: kdhou@tamuct.edu

I prefer to be contacted by email.

Office Hours

My office hours will be on Monday and Tuesday from 11:30 AM to 2:30 PM. I always tell my students that they are never limited to my office hours. You can always send me an email and request to meet with me and we can schedule a time for a meeting. Whether you would like to meet with me in person or virtually, it is totally fine with me. I personally have no preference.

Student-instructor interaction

I should respond to your emails within 24-48 hours and I always do my best to answer very quickly. You can also email me to arrange an appointment with me and you can do this either virtually or in person.

Emergency Warning System for Texas A&M University-Central Texas

SAFEZONE. SafeZone provides a public safety application that gives you the ability to call for help with the push of a button. It also provides Texas A&M University-Central Texas the ability to communicate emergency information quickly via push notifications, email, and text messages. All students automatically receive email and text messages via their myCT accounts.

Downloading SafeZone allows access to push notifications and enables you to connect directly for help through the app.

You can download SafeZone from the app store and use your myCT credentials to log in. If you would like more information, you can visit the [SafeZone](http://www.safezoneapp.com) website [www.safezoneapp.com].

To register SafeZone on your phone, please follow these 3 easy steps:

1. Download the SafeZone App from your phone store using the link below:
 - o [iPhone/iPad](https://apps.apple.com/app/safezone/id533054756): [<https://apps.apple.com/app/safezone/id533054756>]

- [Android Phone / Tablet](#)
[<https://play.google.com/store/apps/details?id=com.criticalarc.safezoneapp>]
- 2. Launch the app and enter your myCT email address (e.g. {name}@tamuct.edu)
- 3. Complete your profile and accept the terms of service

For updates on COVID information, please monitor the University [website](#)
[<https://www.tamuct.edu/covid19/>]

COURSE INFORMATION

Course Overview and description

This course examines the linkage of organizational strategy and electronic methods of delivering products, services and exchanges in inter-organizational, national, and global environments. Information technology strategy and technological solutions for enabling effective business processes within and between organizations in a global environment are considered. Students study a software life-cycle model, fundamental software engineering principles, and documentation standards in detail. An E-Business team project is required, which emphasizes the production of high quality software for medium and larger scale projects.

Prerequisite(s): (CIS 3340 or CIS 3341 or CIS 3342 or CIS 3343) and senior classification.

Course Objective or Goal

Student Learning Outcomes

- a. Describe the details of at least two development models
- b. Describe and apply the engineering skills that are applied to software development; which provides knowledge of how to produce higher quality, maintainable software on a group project
- c. Learn by participation how to manage and effectively participate in a group project
- d. Learn by project team participation in planning, decision-making, commitments and in meeting team schedules
- e. Demonstrate structured and thorough technical writing skills applied to software documentation
- f. Identify and describe the key components of e-business models
- g. Explain the key business concepts and strategies applicable to e-business
- h. Demonstrate the knowledge of issues as related to e-business activities
- i. Explain the process that should be followed in building an e-business Web site.
- j. Describe how Internet and Web features and services support e-business
- k. Identify and describe the unique features of e-commerce technology and discuss their business significance
- l. Describe the key dimensions of e-business security and identify the key security threats in the e-business environment
- m. Describe the different methods used to protect online privacy
- n. Explain the major e-payment mechanisms
- o. Integrate client/server databases into e-business application

Competency Goals Statements (certification or standards)

NA

Required Reading and Textbook(s)

Software Engineering: A Practitioner's Approach

9th Edition

By Roger Pressman and Bruce Maxim

ISBN-10 : 1259872971

ISBN-13 : 978-1259872976

Publisher: McGraw Hill

Copyright: 2019

Besides the textbook, I will also provide other material as needed

[For WI Courses] This is a Writing Instructive (WI) course so writing will be an integral part of my instruction and our interactions. Writing will also be a fundamental way that I measure student mastery of course content. WI means that you will have several opportunities to work on improving your writing skills.

COURSE REQUIREMENTS

Exams: There will be two exams: midterm and final. Each is worth 15 points. Details about the midterm and final exams will be provided in the class

Assignments: During the semester, you will get different assignments that measure your understanding to the material and help you gain programming skills. Multiple submissions are allowed. You also need to zip the files before submission if the assignment has multiple files. Before you submit any assignment, run it on your computer and make sure it works. You also need to submit a screenshot showing that your code works along with the code. Assignments are worth 20 points

Discussions: There will see many graded discussions that are worth 20 points (20%). The purpose of these discussions is to stimulate your thinking of the material presented in the class and to help you connect and learn from other students. Discussions are worth 10 points.

Term Project: There will be one term project that is worth 40 points. The project will be a substantial component of your grade. You will have to design a database and a frontend interface, and you will have to provide a documentation of your project and present it at the end of the semester. More details will be provided in the class.

Grading Criteria Rubric and Conversion

The final grade for the course will be based upon the following:

Item	Points	Percentage
Exams	30	30%
Assignments	20	20%
Discussions	10	10%
Project	40	40%
Total	100	100%

Grade	Percentage
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Posting of Grades

All student grades will be posted on the Canvas Grade Book and students should monitor their grading status through this tool. Grades will be posted within 7 days after of the due date

Grading Policies

My policy is not to accept late work unless there is a situation where a student cannot submit the work on time (i.e. sickness). If you believe you have a legitimate reason that did not allow you to finish the work and submit it by the deadline, please come and talk to me and depending on the situation, I can make an exception for you to make up the work. I always advise students to start working on the assignments as soon as they get them.

COURSE OUTLINE AND CALENDAR

Complete Course Calendar

Below is a tentative schedule that is subject to change by instructor

Weeks	Topics	Assignments Due
Week 1	Chapter 1	Assignment 1

Aug 22 – Aug 28		
Week 2 Aug 29 – Sep 4	Chapter 2	Discussion 1
Week 3 Sep 5 – Sep 11	Chapter 3	Project Phase I
Week 4 Sep 12 – Sep 18	Chapter 4	Assignment 2
Week 5 Sep 19 – Sep 25	Chapter 5	Discussion 2
Week 6 Sep 26 – Oct 2	Chapter 6	Assignment 3
Week 7 Oct 3 – Oct 9	Chapter 7	Project Phase II
Week 8 Oct 10 – Oct 16	Chapter 8	Midterm
Week 9 Oct 17– Oct 23	Chapter 9	Assignment 4
Week 10 Oct 24 – Oct 30	Chapter 10	Discussion 3
Week 11 Oct 31 – Nov 6	Chapter 11	Assignment 5
Week 12 Nov 7 – Nov 13	Chapter 12	Project Phase III
Week 13 Nov 14 – Nov 20	Chapter 13	Assignment 6
Week 14 Nov 21 – Nov 27	Chapter 14	Discussion 4
Week 15 Nov 28 – Dec 4	Chapter 18	Assignment 7
Week 16		Final Exam Final Project and

Dec 5 – Dec 11

Presentations

Important University Dates

Date	Description
August 19, 2022	Deadline for Tuition and Fee Payments (16- & First 8-Week Classes)
August 22, 2022	Classes Begin for Fall Semester
August 22, 2022	Add, Drop, and Late Registration Begins for 16- and First 8-week Classes \$25 Fee assessed for late registrants
August 24, 2022	Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes
August 29, 2022	Deadline to Drop First 8-week Classes with No Record
September 1, 2022	Superintendent Program Application Deadline
September 1, 2022	Educator Preparation Program (Teacher and Principal) Application Deadline
September 7, 2022	Deadline to drop 16-week Classes with No Record (Census)
September 30, 2022	Deadline to Drop First 8-Week Classes with a Quit (Q) or Withdraw (W)
September 30, 2022	Student End of Course Survey Opens (First 8-Week Classes)
October 14, 2022	Classes End for First 8-week Session
October 14, 2022	Deadline to Withdraw from University for First 8-Week Classes (WF)
October 14, 2022	Deadline for Admissions Applications
October 14, 2022	Deadline for Tuition and Fee Payments (Second 8-Week Classes)
October 15, 2022	Deadline for Clinical Teaching Applications
October 17, 2022	Add, Drop, and Late Registration Begins for Second 8-Week Classes \$25 Fee assessed for late registrants
October 17, 2022	Classes Begin for Second 8-Week Session
October 17, 2022	Class Schedule Published For Spring Semester
October 17, 2022	Advising Begins for Spring Semester
October 18, 2022	Deadline for Faculty Submission of First 8-Week Class Final Grades (due by 3pm)
October 18, 2022	Student End of Course Survey Closes (First 8-Week Classes)
October 19, 2022	Deadline for Add, Drop, and Late Registration for Second 8-Week Classes
October 24, 2022	Deadline to Drop Second 8-Week Classes with No Record
October 28, 2022	Deadline for Graduation Application for Fall Ceremony Participation
October 31, 2022	Registration Opens for Spring Semester
November 1, 2022	Clinical Teaching Placement Form Deadline

November 1, 2022	School Counselor Program Application deadline (Spring)
November 1, 2022	Deadline for GRE/GMAT Scores to Graduate School Office
November 4, 2022	Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W)
November 10, 2022	Deadline for Final Committee-Edited Theses with Committee Approval Signatures
November 11, 2022	Veteran's Day
November 17, 2022	Priority Deadline for International Student Admissions Applications
November 18, 2022	Deadline for Scholarship Applications for the Spring Semester
November 20, 2022	Deadline for Final Committee-Edited Theses Fall Semester with Committee Approval Signatures to Graduate School Office
November 24-25, 2022	Thanksgiving
November 25, 2022	Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W)
November 25, 2022	Student End of Course Survey Opens (16- and Second 8-Week Classes)
December 2, 2022	Priority Deadline for VA Certification Request (Spring)
December 9, 2022	Deadline to Withdraw from University for 16- and Second 8-Week Classes
December 9, 2022	Fall Semester Ends
December 9, 2022	Deadline for Applications for Tuition Rebate for Fall Graduation (5pm)
December 9, 2022	Deadline for Fall Degree Conferral Applications to the Registrar's Office \$20 Late Application Fee
December 9, 2022	Fall Commencement Ceremony Bell County Expo 7 pm
December 13, 2022	Deadline for Faculty Submission of 16-Week and Second 8-Week Final Class Grades (due by 3pm)
December 13, 2022	Deadline for Theses to Clear Graduate School Office for Fall Semester
December 13, 2022	Student End of Course Survey Closes (16- and Second 8-Week Classes)

TECHNOLOGY REQUIREMENTS AND SUPPORT

Technology Requirements

This course will use the A&M-Central Texas Instructure Canvas learning management system. **We strongly recommend the latest versions of Chrome or Firefox browsers. Canvas no longer supports any version of Internet Explorer.**

Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com/>] or access Canvas through the TAMUCT Online link in myCT [<https://tamuct.onecampus.com/>]. You will log in through our Microsoft portal.

Username: Your MyCT email address. Password: Your MyCT password

Canvas Support

Use the Canvas Help link, located at the bottom of the left-hand menu, for issues with Canvas. You can select “Chat with Canvas Support,” submit a support request through “Report a Problem,” or call the Canvas support line: 1-844-757-0953.

For issues related to course content and requirements, contact your instructor.

Online Proctored Testing

A&M-Central Texas uses Proctorio for online identity verification and proctored testing. This service is provided at no direct cost to students. If the course requires identity verification or proctored testing, the technology requirements are: Any computer meeting the minimum computing requirements, plus web camera, speaker, and microphone (or headset). Proctorio also requires the Chrome web browser with their custom plug in.

Other Technology Support

For log-in problems, students should contact Help Desk Central, 24 hours a day, 7 days a week

Email: helpdesk@tamu.edu

Phone: (254) 519-5466

[Web Chat](http://hdc.tamu.edu): [<http://hdc.tamu.edu>]

Please let the support technician know you are an A&M-Central Texas student.

UNIVERSITY RESOURCES, PROCEDURES, AND GUIDELINES

Academic Accommodations

At Texas A&M University-Central Texas, we value an inclusive learning environment where every student has an equal chance to succeed and has the right to a barrier-free education. The Warrior Center for Student Success, Equity and Inclusion is responsible for ensuring that students with a disability receive equal access to the university’s programs, services and activities. If you believe you have a disability requiring reasonable accommodations, please contact the Office of Access and Inclusion, WH-212; or call (254) 501-5836. Any information you provide is private and confidential and will be treated as such.

For more information, please visit our [Access & Inclusion](#) Canvas page (log-in required)

[<https://tamuct.instructure.com/courses/717>]

Academic Integrity

Texas A&M University-Central Texas values the integrity of the academic enterprise and strives for the highest standards of academic conduct. A&M-Central Texas expects its students, faculty, and staff to support the adherence to high standards of personal and scholarly conduct to preserve the honor and integrity of the creative community. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. All academic misconduct concerns will be referred to the Office of Student Conduct. When in doubt on collaboration, citation, or any issue, please contact your instructor before taking a course of action.

For more [information regarding the student conduct process](https://www.tamuct.edu/student-affairs/student-conduct.html), [<https://www.tamuct.edu/student-affairs/student-conduct.html>].

If you know of potential honor violations by other students, you may [submit a referral](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0), [https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0].

Drop Policy

If you discover that you need to drop this class, you must complete the [Drop Request](#) Dynamic Form through Warrior Web.

[<https://federation.ngwebsolutions.com/sp/startSSO.ping?PartnerIdId=https://eis-prod.ec.tamuct.edu:443/samlss&SpSessionAuthnAdapterId=tamuctDF&TargetResource=https%3a%2f%2fdynamicforms.ngwebsolutions.com%2fSubmit%2fStart%2f53b8369e-0502-4f36-be43-f02a4202f612>].

Faculty cannot drop students; this is always the responsibility of the student. The Registrar's Office will provide a deadline on the Academic Calendar for which the form must be completed. Once you submit the completed form to the Registrar's Office, you must go into Warrior Web and confirm that you are no longer enrolled. If you still show as enrolled, FOLLOW-UP with the Registrar's Office immediately. You are to attend class until the procedure is complete to avoid penalty for absence. Should you miss the drop deadline or fail to follow the procedure, you will receive an F in the course, which may affect your financial aid and/or VA educational benefits.

Important information for Pregnant and/or Parenting Students

Texas A&M University-Central Texas supports students who are pregnant, experiencing pregnancy-related conditions, and/or parenting. In accordance with requirements of Title IX and related guidance from US Department of Education's Office of Civil Rights, the Dean of Student Affairs' Office can assist students who are pregnant and/or parenting in seeking accommodations related to pregnancy and/or parenting. Students should seek out assistance as early in the pregnancy as possible. For more information, please visit [Student Affairs](https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html) [<https://www.tamuct.edu/student-affairs/pregnant-and-parenting-students.html>]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these [requirements and guidelines](http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf) online, please visit the website [<http://www2.ed.gov/about/offices/list/ocr/docs/pregnancy.pdf>].

Title IX of the Education Amendments Act of 1972 prohibits discrimination on the basis of sex and gender—including pregnancy, parenting, and all related conditions. A&M-Central Texas is able to provide flexible and individualized reasonable accommodation to pregnant and parenting students. All pregnant and parenting students should contact the Associate Dean in the Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University’s Title IX Coordinator.

Tutoring

Tutoring is available to all A&M-Central Texas students, both virtually and in-person. Student success coaching is available online upon request.

If you have a question, are interested in becoming a tutor, or in need of success coaching contact the Warrior Center for Student Success, Equity and Inclusion at (254) 501-5836, visit the Warrior Center at 212 Warrior Hall, or by emailing WarriorCenter@tamuct.edu.

To schedule tutoring sessions and view tutor availability, please visit [Tutor Matching Services](https://tutormatchingservice.com/TAMUCT) [https://tutormatchingservice.com/TAMUCT] or visit the Tutoring Center in 111 Warrior Hall.

Chat live with a remote tutor 24/7 for almost any subject from on your computer! Tutor.com is an online tutoring platform that enables A&M-Central Texas students to log in and receive online tutoring support at no additional cost. This tool provides tutoring in over 40 subject areas except writing support. Access Tutor.com through Canvas.

University Library & Archives

The University Library & Archives provides many services in support of research across campus and at a distance. We offer over 200 electronic databases containing approximately 400,000 eBooks and 82,000 journals, in addition to the 96,000 items in our print collection, which can be mailed to students who live more than 50 miles from campus. Research guides for each subject taught at A&M-Central Texas are available through our website to help students navigate these resources. On campus, the library offers technology including cameras, laptops, microphones, webcams, and digital sound recorders.

Research assistance from a librarian is also available 24 hours a day through our online chat service, and at the reference desk when the library is open. Research sessions can be scheduled for more comprehensive assistance, and may take place virtually through WebEx, Microsoft Teams or in-person at the library. [Schedule an appointment here](https://tamuct.libcal.com/appointments/?g=6956) [https://tamuct.libcal.com/appointments/?g=6956]. Assistance may cover many topics, including how to find articles in peer-reviewed journals, how to cite resources, and how to piece together research for written assignments.

Our 27,000-square-foot facility on the A&M-Central Texas main campus includes student lounges, private study rooms, group work spaces, computer labs, family areas suitable for all ages, and many other features. Services such as interlibrary loan, TexShare, binding, and laminating are available. The library frequently offers workshops, tours, readings, and other events. For more information, please visit our [Library website](http://tamuct.libguides.com/index) [http://tamuct.libguides.com/index]

University Writing Center

University Writing Center: Located in Warrior Hall 416, the University Writing Center (UWC) at Texas A&M University–Central Texas (A&M–Central Texas) is a free service open to all A&M–Central Texas students. The hours of operation are from 10:00 a.m.-5:00 p.m. Monday thru Thursday in Warrior Hall 416 (with online tutoring available every hour as well) with satellite hours available online only Monday thru Thursday from 6:00-9:00 p.m. and Saturday 12:00-3:00 p.m.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. By providing a practice audience for students' ideas and writing, our tutors highlight the ways in which they read and interpret students' texts, offering guidance and support throughout the various stages of the writing process. In addition, students may work independently in the UWC by checking out a laptop that runs the Microsoft Office suite and connects to WIFI, or by consulting our resources on writing, including all of the relevant style guides. Whether you need help brainstorming ideas, organizing an essay, proofreading, understanding proper citation practices, or just want a quiet place to work, the UWC is here to help!

Students may arrange a one-to-one session with a trained and experienced writing tutor by making an appointment via [WCOOnline](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu if you have any questions about the UWC, need any assistance with scheduling, or would like to schedule a recurring appointment with your favorite tutor.

OPTIONAL POLICY STATEMENTS

A Note about Sexual Violence at A&M-Central Texas

Sexual violence is a serious safety, social justice, and public health issue. The university offers support for anyone struggling with these issues. University faculty are mandated reporters, so if someone discloses that they were sexually assaulted (or a victim of Domestic/Dating Violence or Stalking) while a student at TAMUCT, faculty members are required to inform the Title IX Office. If you want to discuss any of these issues confidentially, you can do so through Student Wellness and Counseling (254-501-5955) located on the second floor of Warrior Hall (207L).

Sexual violence can occur on our campus because predators often feel emboldened, and victims often feel silenced or shamed. It is incumbent on ALL of us to find ways to actively create environments that tell predators we don't agree with their behaviors and tell survivors we will support them. Your actions matter. Don't be a bystander; be an agent of change. For additional information on campus policy and resources visit the [Title IX webpage](https://www.tamuct.edu/compliance/titleix.html) [https://www.tamuct.edu/compliance/titleix.html].

Behavioral Intervention

Texas A&M University-Central Texas cares about the safety, health, and well-being of its

students, faculty, staff, and community. If you are aware of individuals for whom you have a concern, please make a referral to the Behavioral Intervention Team. Referring your concern shows you care. You can complete the [referral](#) online

[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2].

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](#) website for more information [<https://www.tamuct.edu/bit>]. If a person's behavior poses an imminent threat to you or another, contact 911 or A&M-Central Texas University Police at 254-501-5805.

OTHER POLICIES

NA

Copyright Notice

Students should assume that all course material is copyrighted by the respective author(s). Reproduction of course material is prohibited without consent by the author and/or course instructor. Violation of copyright is against the law and Texas A&M University-Central Texas' Code of Academic Honesty. All alleged violations will be reported to the Office of Student Conduct.

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