

**CIS 3365-110, CRN 81077, System Analysis and Design
Fall 2021
Texas A&M University-Central Texas**

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Office Hours: TR 3-6 pm virtual (emails, calls, or video desktop sharing) (or by appointment)

Course Dates, Modality, and Location

Aug 23 – Dec 10. This is a classroom blended instructional method course. This course uses the A&M-Central Texas Canvas Learning Management System [<https://tamuct.instructure.com>]. I use Canvas to post course content, assignments, quizzes, exams, and to communicate any other announcements with the class. So please check Canvas regularly (on a daily basis) for updates.

Student-instructor interaction:

You may use the Canvas “inbox” feature or email me with your questions anytime as you would by attending the class and coming into my office. Your questions will be answered within 24 hours on weekdays and within 48 hours on weekends and holidays.

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

Warrior Shield is an emergency notification service that gives Texas A&M University-Central Texas the ability to communicate health and safety emergency information quickly via email, text message, and social media. All students are automatically enrolled in Warrior Shield through their myCT email account.

Connect to Warrior Shield by [911Cellular](https://portal.publicsafetycloud.net/Account/Login) [<https://portal.publicsafetycloud.net/Account/Login>] to change where you receive your alerts or to opt out. By staying enrolled in Warrior Shield, university officials can quickly pass on safety-related information, regardless of your location.

Fall 2021 Return to Campus Plan. For the most recent campus information regarding COVID-19 see the Texas A&M University-Central Texas [Fall 2021 Return to Campus Plan](https://www.tamuct.edu/covid19/) [<https://www.tamuct.edu/covid19/>]

COURSE INFORMATION

Course Overview and description:

Examine systematic analysis, design, and implementation of software systems with special emphasis on the processes and skills used in the first four stages of the System Development Life Cycle. Analyze traditional and current methodologies in design, including computer aided analysis and design tools.

Student Learning Outcomes:

Students will design and explain each of the different parts of a Computer Information System. Students will examine system components, identify how they are used and relate the pieces to the system whole.

Students will complete an information system project to develop system analysis and design skill.

Required Reading and Textbook(s):

Systems Analysis and Design 7th Ed

by Alan Dennis, Barbara Haley Wixom, Roberta M. Roth

ISBN-13: 978-1119496489

Publisher: Wiley

Supplemental and Optional Reading(s)

Additional required readings and optional readings will be posted on Canvas.

COURSE REQUIREMENTS**Exams**

There will be three exams (two mid-terms and one final). Each exam is worth 100 points. Exams can be conducted either paper-based or on canvas. Exams will be based on the textbook, readings, and class discussions. It is assumed that you will read the assigned chapters and readings in advance. Make up exams are not typically given. The only acceptable excuses for missing an exam are circumstances clearly outside your control, such as illness, death in family, etc. If you miss an exam, notify me as soon as possible. I may require documentation of the circumstances.

Assignments

There will be ten assignments during the semester (40 points each). Assignments stress critical thinking by applying concepts learned in this course. The assignments will run very similar to an actual project. Occasionally, some individual outside research will also be required.

Assignments must be submitted before the end of the day (11:59 PM) on the due date mentioned in the course schedule. Late submissions will not be accepted for full points and will attract 10% deduction for each day that it is late.

Quizzes

There will be ten quizzes that are designed to test the general understanding of the topics covered in the course. The quizzes can be conducted in-class either paper-based or on canvas. Late submissions will not be accepted. Each quiz is worth 20 points.

Project Presentation

Each student will need to present a topic on systems analysis and design. The presentation topics, presentation schedule, and grading rubric (used to assess the presentations) will be announced in class and on Canvas. Presentation is worth 100 points.

Grading Criteria:

Your semester grade will be based on the following criteria:

| Course Requirement | Points | Weightage |
|--------------------------------------|-------------|-------------|
| Two Mid-Term Exams (100 points each) | 200 | 20% |
| Final Exam | 100 | 10% |
| Ten Assignments (40 points each) | 400 | 40% |
| Ten Quizzes (20 points each) | 200 | 20% |
| Project Presentation | 100 | 10% |
| Total | 1000 | 100% |

Final letter grade distribution will be as per the following scale:

| Letter Grade | Points Range |
|--------------|--------------|
| A | 900 - 1000 |
| B | 800 - 899 |
| C | 700 - 799 |
| D | 600 - 699 |
| F | Below 599 |

Posting of Grades

All students' grade will be posted on the Canvas Grade book, and students can monitor their progress on Canvas grade book. Students can expect to see their grades within two weeks of the closing of class tests, exams, and assignments. Students are expected to visit Canvas course webpage regularly to get any update regarding this course.

COURSE OUTLINE AND CALENDAR

Course Schedule* ** (* This schedule provides a general plan. Deviations may be necessary)
 (** Readings for each week will be posted on Canvas)

| Week | Date | Readings | Due |
|------|-------|---|-------------------------------|
| 1 | 8/24 | Chapter 1 – The Systems Analyst and Information Systems Development | |
| | 8/26 | Chapter 1 – Continued | Chapter 1 Quiz |
| 2 | 8/31 | Chapter 2 – Project Selection and Management | Assignment 1 |
| | 9/02 | Chapter 2 – Continued | Chapter 2 Quiz |
| 3 | 9/07 | Chapter 3 – Requirements Determination | Assignment 2 |
| | 9/09 | Chapter 3 - Continued | Chapter 3 Quiz |
| 4 | 9/14 | Chapter 4 - Use Case Analysis | Assignment 3 |
| | 9/16 | Chapter 4 – Continued | Chapter 4 Quiz |
| 5 | 9/21 | Exam 1 Review | |
| | 9/23 | Mid-term Exam 1 | Exam 1 |
| 6 | 9/28 | Chapter 5 - Process Modeling | Assignment 4 |
| | 9/30 | Chapter 5 – Continued | Chapter 5 Quiz |
| 7 | 10/05 | Chapter 6 – Data Modeling | Assignment 5 |
| | 10/07 | Chapter 6 – Continued | Chapter 6 Quiz |
| 8 | 10/12 | Chapter 7 - Moving into Design | Assignment 6 |
| | 10/14 | Chapter 7 – Continued | Chapter 7 Quiz |
| 9 | 10/19 | Chapter 8 - Architecture Design | Assignment 7 |
| | 10/21 | Chapter 8 – Continued | Chapter 8 Quiz |
| 10 | 10/26 | Exam 2 Review | |
| | 10/28 | Mid-term Exam 2 | Exam 2 |
| 11 | 11/02 | Chapter 9 – User Interface Design | Assignment 8 |
| | 11/04 | Chapter 9 - Continued | Chapter 9 Quiz |
| 12 | 11/09 | Chapter 10 - Program Design | Assignment 9, Chapter 10 Quiz |
| | 11/11 | Veteran's Day Holiday | |
| 13 | 11/16 | Chapter 12 – Moving into Implementation | Assignment 10 |
| | 11/18 | Chapter 12 – Continued | |
| 14 | 11/23 | Chapter 13 - Transition to the New System | |
| | 11/25 | Thanksgiving Holiday | |
| 15 | 11/30 | Project Presentations | Project PPT |
| | 12/02 | Project Presentations | |
| 16 | 12/07 | Final Exam | Final Exam |

Important University Dates:

| | |
|----------------------|--|
| August 23, 2021 | Add, Drop, and Late Registration Begins for 16- and First 8-week Classes \$25 Fee assessed for late registrants |
| August 23, 2021 | Classes Begin for Fall Semester |
| August 25, 2021 | Deadline for Add, Drop, and Late Registration for 16- and First 8-Week Classes |
| August 30, 2021 | Deadline to Drop First 8-week Classes with No Record |
| September 6, 2021 | Labor Day (University open and classes will be held) |
| September 7, 2021 | Deadline to drop 16-week Classes with No Record |
| October 4, 2021 | Deadline for Teacher Education Program Applications |
| October 1, 2021 | Deadline to Drop First 8-week Classes with a Quit (Q) or Withdraw (W) |
| October 15, 2021 | Deadline for Clinical Teaching/Practicum Applications |
| October 15, 2021 | Classes End for First 8-week Session |
| October 15, 2021 | Deadline to Withdraw from University for First 8-Week Classes (WF) |
| October 18, 2021 | Add, Drop, and Late Registration Begins for Second 8-Week Classes \$25 Fee assessed for late registrants |
| October 18, 2021 | Classes Begin for Second 8-Week Session |
| October 18, 2021 | Class Schedule Published for Spring Semester |
| October 19, 2021 | Deadline for Faculty Submission of First 8-Week Class Final Grades (due by 3pm) |
| October 20, 2021 | Deadline for Add, Drop, and Late Registration for Second 8-Week Classes |
| October 25, 2021 | Deadline to Drop Second 8-Week Classes with No Record |
| October 19, 2021 | Deadline for Graduation Application for Fall Ceremony Participation |
| November 1, 2021 | Deadline for GRE/GMAT Scores to Graduate School Office |
| November 1, 2021 | Registration Opens for Spring Semester |
| November 5, 2021 | Deadline to Drop 16-Week Classes with a Quit (Q) or Withdraw (W) |
| November 11, 2021 | Veteran's Day (University Closed) |
| November 20, 2021 | Deadline for Final Committee-Edited Theses Fall Semester with Committee Approval Signatures to Graduate School Office |
| November 25-26, 2021 | Thanksgiving (University Closed) |
| November 29, 2021 | Deadline to Drop Second 8-Week Classes with a Quit (Q) or Withdraw (W) |
| December 10, 2021 | Deadline to Withdraw from University for 16- and Second 8-Week Classes |
| December 10, 2021 | Fall Semester Ends |
| December 10, 2021 | Deadline for Applications for Tuition Rebate for Fall Graduation (5pm) |
| December 10, 2021 | Deadline for Fall Degree Conferral Applications to the Registrar's Office \$20 Late Application Fee |
| December 10, 2021 | Fall Commencement Ceremony Bell County Expo 7 pm |

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

Drop Policy

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

[<https://dynamicforms.ngwebsolutions.com/casAuthentication.ashx?InstID=eaed95b9-f2be-45f3-a37d-46928168bc10&targetUrl=https%3A%2F%2Fdynamicforms.ngwebsolutions.com%2Fsubmit%2FForm%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.

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 report](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0),
[https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=0].

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 Office of Access 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](https://tamuct.instructure.com/courses/717) Canvas page (log-in required)
[https://tamuct.instructure.com/courses/717]

Important information for Pregnant and/or Parenting Students

Texas A&M University-Central Texas supports students who are pregnant 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, on a remote online basis. Visit the Academic Support Community in Canvas to view schedules and contact information. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics, Mathematics, and Study Skills. Student success coaching is available online upon request.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, success coaching, or have any other question, contact Academic Support Programs at (254) 501-5836, visit the Office of Student Success at 212F Warrior Hall, or by emailing studentsuccess@tamuct.edu.

Chat live with a 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 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. For the Fall 2021 semester, 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 at <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 by making an appointment via WOnline at <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.

University Library

The University Library 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. 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>].

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

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](https://www.tamuct.edu/bit) 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 254-501-5800.

Copyright Notice

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