CIS 3365-110, System Analysis and Design
Spring 2021
Texas A&M University-Central Texas

COURSE DATES, MODALITY, AND LOCATION
The class dates are January 19th, 2021 to May 14th, 2021. This is a 100% online course and uses the A&M-Central Texas Canvas Learning Management System [https://tamuct.instructure.com].

INSTRUCTOR AND CONTACT INFORMATION
Instructor: Mabeena Singh
Office: N/A
Phone: 7138582957
Email: mabeena.singh@tamuct.edu (Preferred email – Canvas “Inbox”)

Student-instructor interaction
My preference is to have contact with students via Canvas first, then e-mail. For urgent or complicated issues, feel free to call me. (Please text me first, and I will definitely call back)

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] 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.

COVID-19 SAFETY MEASURES
To promote public safety and protect students, faculty, and staff during the coronavirus pandemic, Texas A&M University-Central Texas has adopted policies and practices to minimize virus transmission. All members of the university community are expected to adhere to these measures to ensure their own safety and the safety of others. Students must observe the following practices while participating in face-to-face courses, course-related activities (office hours, help sessions, transitioning to and between classes, study spaces, academic services, etc.) and co-curricular programs:

- Self-monitoring—Students should follow CDC recommendations for self-monitoring. Students who have a fever or exhibit symptoms of COVID-19 should participate in class remotely and should not participate in face-to-face instruction. Students required to quarantine must participate in courses and course-related activities remotely and must not attend face-to-face course activities. Students should notify their instructors of the quarantine requirement. Students under quarantine are expected to participate in courses and complete graded work unless they have symptoms that are too severe to participate in course activities.
• Face Coverings—Face coverings must be worn inside of buildings and within 50 feet of building entrances on the A&M-Central Texas Campus. This includes lobbies, restrooms, hallways, elevators, classrooms, laboratories, conference rooms, break rooms, non-private office spaces, and other shared spaces. Face coverings are also required in outdoor spaces where physical distancing is not maintained. The university will evaluate exceptions to this requirement on a case by case basis. Students can request an exception through the Office of Access and Inclusion in Student Affairs.
  
  o If a student refuses to wear a face covering, the instructor should ask the student to leave and join the class remotely. If the student does not leave the class, the faculty member should report that student to the Office of Student Conduct. Additionally, the faculty member may choose to teach that day's class remotely for all students.

• Physical Distancing—Physical distancing must be maintained between students, instructors, and others in the course and course-related activities.

• Classroom Ingress/Egress—Students must follow marked pathways for entering and exiting classrooms and other teaching spaces. Leave classrooms promptly after course activities have concluded. Do not congregate in hallways and maintain 6-foot physical distancing when waiting to enter classrooms and other instructional spaces.

• The university will notify students in the event that the COVID-19 situation necessitates changes to the course schedule or modality.

COURSE INFORMATION

Course Overview and description
This course covers the concepts, skills, methodologies, techniques, tools, and perspectives essential for systems analysts to successfully develop information systems. The concepts stressed are Foundations for Systems Development, Planning, Analysis, Design, and Implementation and Maintenance with respect to developing information systems.

Course Objective
Students will design and explain each of the different parts of a computer information system. Students will also examine system components; identify how they are used in an entire system. Students will also complete an information system project to develop skills in the process of system analysis and design.

Required Reading and Textbook(s)
Joseph S. Valacich and Joey F. George
ISBN-10: 0-13-51725-6

Supplemental Material: The course textbook will be supplemented with other materials including handouts and PowerPoint presentations

Required Reading: The student is expected to read and review all material presented in the assigned chapter prior to class

COURSE REQUIREMENTS

Students are required to successfully complete a self-introduction, 14 quizzes, 3 exams, a
research paper proposal, a research paper – first draft, a research paper – final version, and a case study.

- **Introduction Task:**
  Write a short biography and explain what you hope to learn from this class in the discussion board. Include a professional digital photo of yourself in your Canvas profile (10 points).

- **Exams:**
  There will be three exams. Each exam is worth 100 points and contain 50 questions. Pattern of all the exams include multiple choice. 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.

- **Quizzes:**
  There will be 14 quizzes (true/false) that are designed to test the general understanding of the topics covered in the course. Each of the 14 quizzes will cover the material from a single chapter and contain 10 questions. Each quiz is worth 10 points. Late submissions are not accepted.

- **Discussions:**
  There will be 5 discussions available on the discussion board. Student is required to participate in the discussions. Each student is required to post and reply to at least 2 threads posted by their peers.

- **Assignments:**
  Students will be assigned 3 written assignments consisting of answering questions about subject matter pertaining to System Analysis and Design. These assignments are a part of the Group Project.

- **Project**
  Students will go through the process of Systems Development, Planning, Analysis, Design, and Implementation and Maintenance with respect to developing information systems. The project will be completed in sections as the course progresses. Details are included in the Project Modules in Canvas

**Critical Note:** Late submissions will be penalized 10% of grade per day late.

### Grading Criteria Rubric and Conversion

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Points</th>
<th>Weightage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction Task</td>
<td>10</td>
<td>1%</td>
</tr>
<tr>
<td>5 Discussions (20 points each)</td>
<td>100</td>
<td>10%</td>
</tr>
<tr>
<td>3 exams (100 points each)</td>
<td>300</td>
<td>30%</td>
</tr>
</tbody>
</table>
### Final grade distribution will be as per the following scale:

#### Posting of Grades

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Point Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>900-1000</td>
</tr>
<tr>
<td>B</td>
<td>800-899</td>
</tr>
<tr>
<td>C</td>
<td>700-799</td>
</tr>
<tr>
<td>D</td>
<td>600-699</td>
</tr>
<tr>
<td>F</td>
<td>500-599</td>
</tr>
</tbody>
</table>

### COURSE OUTLINE AND CALENDAR

#### Complete Course Calendar

<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Reading</th>
<th>Tasks Due</th>
</tr>
</thead>
</table>
| 1    | 01/19/2021 | Read the Syllabus
Build Teams for Group Project
Chapter 01 – The Systems Development Environment | Introduction Task
Join a group
Ch1 Quiz |
| 2    | 01/25/2021 | Chapter 02 – The Origins of Software                                    | Ch2 Discussion 1 (01/29/2021)                                             |
| 3    | 02/01/2021 | Chapter 03 – Managing the Information Systems Project                    | Ch3 Quiz                                                                  |
| 4    | 02/08/2021 | Chapter 04 – Identifying and Selecting Systems Development Projects      | Ch4 Quiz                                                                  |
| 5    | 02/15/2021 | Chapter 05 – Initiating and Planning System Development Projects         | Ch5 Discussion 2 (02/19/2021)                                             |
| 6    | 02/22/2021 | **Group Project Assignment**
   Exam 1 (Ch 1-5)                                           | Planning Phase
   Exam 1 (02/26/2021)                                        |
<p>| 7    | 03/01/2021 | Chapter 06 – Determining System Requirements                             | Ch6 Quiz                                                                  |
| 8    | 03/08/2021 | Chapter 07 – Structuring System Process Requirements                    | Ch7 Discussion 3 (03/12/2021)                                             |</p>
<table>
<thead>
<tr>
<th></th>
<th>Date</th>
<th>Chapter/Assignment</th>
<th>Quiz/Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Spring Break</strong></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>03/22/2021</td>
<td>Chapter 08 – Structuring System Data Requirement <strong>Group Project Assignment</strong></td>
<td>Ch8 Quiz Analysis Phase</td>
</tr>
<tr>
<td>11</td>
<td>03/29/2021</td>
<td>Chapter 09 – Designing Databases</td>
<td>Ch9 Quiz</td>
</tr>
<tr>
<td>12</td>
<td>04/05/2021</td>
<td>Chapter 10 – Designing Forms and Reports</td>
<td>Ch10 Quiz</td>
</tr>
<tr>
<td>13</td>
<td>04/12/2021</td>
<td>Chapter 11 – Designing Interfaces and Dialogues</td>
<td>Ch11 Quiz</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Exam 2 (Ch 6-10)</strong></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>04/19/2021</td>
<td>Chapter 12 – Designing Distributed and Internet Systems</td>
<td>Ch12 Quiz</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Group Project Assignment</strong></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>04/26/2021</td>
<td>Chapter 13 – System Implementation</td>
<td>Ch13 Quiz</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Discussion 4 (04/09/2021)</strong></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>07/03/2021</td>
<td>Chapter 14 – Maintaining Information Systems</td>
<td>Ch14 Quiz</td>
</tr>
<tr>
<td>17</td>
<td>07/10/2021</td>
<td><strong>Group Project Assignment</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Exam 3 (Ch 11-14)</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Important University Dates**
Please go to this link to see important dates:
https://www.tamuct.edu/registrar/academic-calendar.html

**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]

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.

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. Academic integrity is defined as a commitment to honesty, trust, fairness, respect, and responsibility. Any deviation by students from this expectation may result in a failing grade for the assignment and potentially a failing grade for the course. Academic misconduct is any act that improperly affects a true and honest evaluation of a student’s academic performance and includes, but is not limited to, working with others in an unauthorized manner, cheating on an examination or other academic work, plagiarism and improper citation of sources, using another student’s work, collusion, and the abuse of resource materials. All academic misconduct concerns will be referred to the university’s Office of Student Conduct. Ignorance of the university's standards and expectations is never an excuse to act with a lack of integrity. 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,
If you know of potential honor violations by other students, you may submit a report.

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 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/index.html]. Students may also contact the institution's Title IX Coordinator. If you would like to read more about these requirements and guidelines 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**

The University Writing Center (UWC) at Texas A&M University–Central Texas (TAMUCT) is a free service open to all TAMUCT students. For the Spring 2021 semester, all services will be online as a result of the COVID-19 pandemic. The hours of operation are from 10:00 a.m.-5:00 p.m. Monday thru Thursday with satellite hours Monday thru Thursday from 6:00-9:00 p.m. The UWC is also offering hours from 12:00-3:00 p.m. on Saturdays.

Tutors are prepared to help writers of all levels and abilities at any stage of the writing process. 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. While tutors will not write, edit, or grade papers, they will assist students in developing more effective composing practices. 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 session with a trained and experienced writing tutor by making an appointment via WCONline [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 and/or need any assistance with scheduling.

**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 250,000 eBooks and 82,000 journals, in addition to the 85,000 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 on Skype 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].

For Spring 2021, all reference service will be conducted virtually. Please go to our Library website
website [http://tamuct.libguides.com/index] to access our virtual reference help and our current hours.

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 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].

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/student-affairs/bat.html]. 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.