CIS 4350-110, 81079, Management Information Systems

Fall 2021
Texas A&M University-Central Texas

COURSE DATES, MODALITY, AND LOCATION

Course Dates: August 23, 2021 – December 10, 2021

This is a 100% online course and uses the A&M-Central Texas Canvas Learning Management System [https://tamuct.instructure.com/]. The course syllabus, schedule, supplemental readings, class announcements, presentations, learning modules, assignments, exams, and other course materials will be posted to Canvas.

INSTRUCTOR AND CONTACT INFORMATION

Instructor: Joshua Wilson
Phone: (Mobile) 254-466-1160
Email: joshua.wilson@tamuct.edu (Prefer you use Canvas Inbox)

Office Hours

Virtual office hours are available by appointment.

Student-instructor interaction

At a minimum, I try to check messages once per day. Please reach out to me immediately with any questions or concerns and I will get back to you as soon as possible.

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://www.tamuct.edu/police/911cellular.html] 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/]

COURSE INFORMATION

Course Overview and description

Investigate management issues related to business information systems, which are designed to meet the informational needs of the various business subsystems. Special emphasis on systems development, security, and privacy and the ethics associated with information systems.

Course Objective or Goal
Student Learning Outcomes
Students will gain an understanding of the following:
- The difference between data and information.
- The difference between data systems and information systems.
- Information infrastructure and components of information systems.
- The different types of IS and their role in gaining a competitive advantage.
- IS security threats and ethical issue.
- The value chain for IT organizations
- The pros and cons of outsourcing, offshoring, and downsizing
- Business process reengineering and innovations
- The functions of the primary components of a computer
- Green computing
- Different levels of computing resources (personal, workgroup, and enterprise computing).
- The evolution of data storage and various database platforms.
- Data management, ETL, NoSQL, Big Data, in-memory concepts.
- Network topologies and different network types.
- Web content and applications.
- The Internet of Things (IoT) and its applications.
- The basics of cloud computing and service models.
- The basics of internet (e/m) commerce models such as B2B, C2C etc.
- The challenges that organizations face in planning, building, and operating enterprise systems.
- The terms "business intelligence (BI)" and "analytics".
- The characteristics of intelligent behavior and compare the performance of natural and artificial intelligence systems.
- The terms virtual reality and augmented reality.
- The components of a strategic plan.
- Goals-based strategic planning process.

Required Reading and Textbook(s)

Principles of Information Systems, 14th Edition
Ralph M. Stair; George Reynolds
Cengage Learning
ISBN: 9780357112410

Note: A student of this institution is not under any obligation to purchase a textbook from a

university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

COURSE REQUIREMENTS

Students are required to successfully complete a self-introduction, 7 quizzes, 3 exams, a research paper with multiple deliverables, a case study with multiple deliverables,

Participation Discussion: These discussions will cover content relevant to the course material and current events. You will be expected to post an initial discussion and reply to at least two of your peers.

Quizzes: There are 14 quizzes in this course. You will have 2 attempts at each quiz and your highest grade will be used.

Exams: There will be two exams in this course. The first will cover the first will align with the first 8 chapters of your textbook. The second will align with the remaining 5 chapters. Both exams will also cover content from lectures, class discussions, and any additional materials covered in this course.

Case Study – Company Selection:
Choose the company you will do your case study on. Remember:
- The company MUST operate globally

Case Study – Background:
Minimum of 1 full page of actual content (does not include cover page, images, or references)
- 12 pt. font
- Times New Roman
- No extra blank lines.
- Remember, the final paper will be APA formatting.

Cite any sources that you use
- Have at least 2 sources
- Use APA formatting for your citations and reference page.

Case Study – Global Operations Executive Summary:
This executive summary will cover the global operations portion of your case study assignment and should include details about the following:
- Current global operations of the company.
- Benefits the company has gained from operating globally.
- Challenges the company has faced due to its global position.
- Technology used to support the current global position of the company.

Additional requirements of the Executive Summary are as follows:
- 1-2 pages (double spaced)
- 12 pt. Times New Roman

- APA Formatting
- This summary should be of proper quality to present in a corporate environment (grammar & formatting).
- Cite all sources used
- At least 2 sources
- APA Formatting

Case Study – Cybersecurity Executive Summary:
Create an Executive Summary based on the current cybersecurity position of the company that you selected for the Case Study.

This executive summary will cover the company's cybersecurity technology and should include details on the following:
- Current cybersecurity strategy for the company.
- Any past cybersecurity challenges or achievements the company has had.
- Technology used to support the current cybersecurity infrastructure of the company.
- Recommendations for improving cybersecurity within the company.

Additional requirements of the Executive Summary are as follows:
- 1-2 pages (double spaced)
- 12 pt. Times New Roman
- APA Formatting
- This summary should be of proper quality to present in a corporate environment (grammar & formatting).
- Cite all sources used
- At least 2 sources
- Use an APA-style bibliography

Case Study:
The case study assignment will have multiple deliverables. The deliverables will be used in your final submission as well. The deliverables include: Topic Selection, Background, Global Operations Executive Summary, and Cybersecurity Executive Summary.
Based on your research and course material, write a case study report paper describing the company, some of the possible benefits that the company might have gained by operating globally, the technology used to support a global position (such as cybersecurity) and the IT strategy used to gain market share and retention. Provide recommendations of the type(s) of technology the company could benefit from, and methods by which that technology could support decision making. Describe any challenges that the company has faced or is currently facing as a result of operating in a global society. The last section of the report should make suggestions on improving the company's standing in various areas that you determined need improvement based on the textbook and your research. This section should include the rationale of your recommendation.

The entire report should in APA formatting (Use Times New Roman font). The "body" of the document (excluding title page, references, tables and figures) should be a minimum of 8-10 double spaced pages long. Note that your Background and two Executive Summaries are part of this case study. They should answer several parts of the requirements and set you up to continue

the case study. These assignments should all be put together into one document and DO count towards your page count.

- include a title page
- include background information about the company
- include an executive summary on the global operations of the company
- include an executive summary on the cybersecurity of the company
- include details about the following:
  - IT strategy used to gain market share and retention
  - Recommendations on the types of technology the company could benefit from (think of different Information Systems that may be helpful)
  - Suggestions on improving the company's standing. Focus on IS/IT-based suggestions, but anything that would be beneficial can be listed if evidence is provided.
- include a bibliography
  - A minimum of 3 peer-reviewed sources
  - At minimum of 6 sources total
- be 8-10 double-spaced pages of actual written content
  - Your font throughout the whole paper should be 12 pt. Times New Roman. (This is what I will change it to when I check your page count)
  - This page count DOES include your Background and the two Executive Summaries.
  - Any blank space between pages (such as between your executive summaries), extra blank lines, tables, charts, figures, title pages, and reference pages do NOT count towards the page count.
- Use parenthetical notation to cite your sources in your paper (follow APA guidelines)
- Remember, professional quality means formatting AND punctuation/grammar

Grading Criteria Rubric and Conversion

Required Activity	Quantity	Points	Total
Attendance/Participation	-	-	-
Attendance	1	20	20
Participation Discussions	9	10	90
Quizzes	13	20	260
Exams	2	150	300
Case Study	-	-	-
Case Study Company Selection	1	20	20
Case Study Background	1	40	40
Case Study Global Challenges	1	60	60
Case Study Cybersecurity	1	60	60
Case Study Final Submission	1	150	150
Total			1000

Posting of Grades

Grades will be posted to the Canvas gradebook as assignments are graded. This will typically be done once all students have submitted the assignment.

Grading Policies

Late Work: Late work will not be accepted unless approved by your instructor BEFORE the due date of the assignment.

Attendance: This is an online course, so attendance will be managed online. In order to be counted present, you must log into Canvas and go into this course at least once per week between Monday and Friday. Attendance for the Week will be taken every Saturday to see if you have logged in for the week.

COURSE OUTLINE AND CALENDAR

Complete Course Calendar

Wk	Date	Readings	Tasks Due This Week
1	08/29	Read the Syllabus Go Over Expectations Chapter 1 – Information Systems: People, Technology, Processes, and Structure	Introduction Quiz 1
2	09/05	Chapter 2 – Secure Information Systems	Quiz 2 Discussion 1
3	09/12	Chapter 3 – Corporate and Individual Accountability: Ethical, Lega, and Social Issues	Quiz 3 Case Study Company Selection
4	09/19	Chapter 4 – Hardware and Software	Quiz 4 Discussion 2
5	09/26	Chapter 5 – Database Systems and Data Management	Quiz 5 Case Study Company Background
6	10/03	Chapter 6 – Business Intelligence: Big Data and Analytics	Quiz 6 Discussion 3
7	10/10	Chapter 7 – Networks: An Interconnected World	Quiz 7
8	10/17	Chapter 8 – Cloud Computing and the Internet of Things	Quiz 8 Discussion 4
9	10/24	Review	Midterm Case Study Global Challenges Executive Summary
10	10/31	Chapter 9 – E-Commerce	Quiz 9 Discussion 5
11	11/07	Chapter 10 – Enterprise Systems	Quiz 10 Case Study Cybersecurity Executive Summary
12	11/14	Chapter 11 -Artificial Intelligence (AI) and Automation 402	Quiz 11 Discussion 6
13	11/21	Chapter 12 – Strategic Planning and Project Management	Quiz 12
14	11/28	Chapter 13 – System Acquisition and Development	Quiz 13 Discussion 7
15	12/05	Review and Research	Case Study Due
16	12/09	Review	Discussion 8 Final Exam

Important University Dates

For important dates please check 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.

[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].

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].

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/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 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 WCOnline 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 WCOnline 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].

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.

OTHER POLICIES

Instructor Policies

1. Instructor reserves the right to modify the syllabus during the course of the semester for the benefit of the students. Any changes to the syllabus will be mentioned as announcements in Canvas.
2. Instructor reserves the right to supplement the material presented in the text with addition material that may benefit the students by either providing additional information or a different point of view.
3. Instructor expects that the students will act in a curious and professional manner in all interactions with other students and the instructor.
4. Instructor reserves the right to modify grading rubrics. Changes to grading rubrics are only made to current and possibly future assignments.
5. Instructor will not accept assignments after the last day of classes.

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