

## **CIS 4350-115, CRN 60060, Management Information Systems**

Summer 2020

8 Weeks (June 1, 2020 – July 24, 2020)

Texas A&M University-Central Texas

### **INSTRUCTOR AND CONTACT INFORMATION**

**Instructor:** Joshua D. Wilson

**Office:** No Office

**Phone:** Mobile (254) 466-1160

**Email:** Canvas Inbox preferred. Or use TAMUCT email: [joshua.wilson@tamuct.edu](mailto:joshua.wilson@tamuct.edu)

**Department:** College of Business/CIS Department, FH 3.323

**Department Phone:** 254-519-5437

**Department Email:** [cobainfo@tamuct.edu](mailto:cobainfo@tamuct.edu)

**Department Fax:** 254-501-5825

### **Office Hours:**

No office hours, but I can meet with students at the university by appointment or after class. Additionally, I will meet online by appointment.

### **Mode of instruction and course access:**

This course is an online course. This course will make extensive use of the TAMUCT Canvas Learning Management System. The course syllabus, schedule, supplemental readings, class announcements, presentations, learning modules, assignments, exams, and other course materials will be posted to Canvas.

This course uses the A&M-Central Texas Canvas Learning Management System [<https://tamuct.instructure.com>].

### **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 or request an appointment.

### **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.

## **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.

Note: This is a writing intensive course; meaning that at least 55% of a student's grade is from written exercises. A student that does not successfully complete these assignments cannot pass the course.

### **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.

### **Competency Goals Statements (certification or standards):**

None

## **Required Reading and Textbook(s):**

Principles of Information Systems, 13th Edition  
Ralph M. Stair; George Reynolds  
Cengage Learning  
ISBN: 9781337746113

*Note: I do NOT require the online code with this textbook. Just the book by itself is all you need.*

*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.*

**Supplemental Material:** The course textbook will be supplemented with other materials including handouts, oral presentations, industry articles, research paper readings, case studies, Power Point presentations etc.

**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, 7 quizzes, 3 exams, a research paper with multiple deliverables, a case study with multiple deliverables,

*Self-Introduction:* This assignment will be a discussion post where you will give a brief (about two short paragraphs) description of yourself and why you are taking this class.

*Quizzes:* Quizzes will each cover two chapters and be 20 multiple choice or true/false questions each. They will be open books/notes. You will have 2 attempts at each quiz and your highest grade will be used.

*Exams:* Exams will each cover one section of the book. Exam 1 will cover chapters 1-6. Exam 2 will cover chapters 7-10. Exam 3 will cover chapters 11-14.

*Discussions:* Discussion assignments will be used to demonstrate your understanding of the material and encourage discussion with your classmates. Posts by other students will not be visible until you post your own

*Research Paper:* The research paper will be split into multiple parts.

*Topic Selection:* This will be a discussion post where you will choose your topic for your research paper. This cannot be the same topic that any other student chooses.

*Rough Draft:* This submission is a rough draft of your final submission. It will be checked for formatting, sources, and length. Content will be viewed, but not in-depth. Grammar/punctuation will not be graded for this draft.

*Final Submission:* Each student is required to prepare a full draft of the term paper on the approved proposed topic. Submitting a paper without an approved proposal will

result in a 0. The paper should be, at a minimum, 12 pages long (approximate minimum is 2,000 words). The term paper must be in APA format.

*Case Study:*

- Select a company that operates globally. Use the Internet and any other available sources to gather information on the company. Research the strategies the company is using to achieve a competitive advantage based on lessons from the textbook.
- Based on your research and course material, write a case study report paper a) describing the company, b) some of the possible benefits that the company might have gained by operating globally, c) the technology used to support a global position and d) the IT strategy used to gain market share and retention.
- Provide recommendations of the type(s) of technology, and methods by which the technology could support decision making.
- Also, 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 standings in various areas that you determined needs improvement base on the textbook. This section should include the rational of your recommendation.
- The report should be of executive meeting presentation quality. The "body" of the document (excluding title page, references, tables and figures) should be a minimum of 8-10 double spaced pages long and include at least 1 table, and at least 1 figure and any necessary references.
- The case study submission will have multiple parts:

*Topic Selection:* This will be a discussion post where you will choose your topic for your research paper. This cannot be the same topic that any other student chooses.

*Rough Draft:* This submission is a rough draft of your final submission. It will be checked for formatting, sources, and length. Content will be viewed, but not in-depth. Grammar/punctuation will not be graded for this draft.

*Final Submission:* This submission will include all components of the case study as one cohesive document.

## Grading Criteria Rubric and Conversion

Required Activity	Quantity	Points	Total
<b>Introduction (1%)</b>	1	10	10
<b>Quizzes (14%)</b>	7	20	140
<b>Exams (30%)</b>	3	100	300
<b>Research Paper (30%)</b>	-	-	-
Research Paper Topic Selection	1	30	30
Research Paper Rough Draft	1	70	70
Research Paper Final Submission	1	200	200
<b>Case Study (15%)</b>	-	-	-
Case Study Topic Selection	1	15	15
Case Study Rough Draft	1	35	35
Case Study Final Submission	1	100	100
<b>Class Participation (10%)</b>	-	-	-
Discussion Assignment	4	25	100
<b>Total</b>			1000

Point Range	Letter Grade
1000-900	A
899-800	B
799-700	C
699-600	D
599-0	F

### 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.

### COURSE OUTLINE AND CALENDAR

#### Complete Course Calendar

**\*\*This syllabus and schedule are subject to change.**

Wk	Due Dates	Readings	Tasks Due This Week
1	06/07	Syllabus Chapter 1 – An Intro to Information Systems Chapter 2 – Information Systems	Introduction Quiz 1 Research Paper Topic Selection
2	06/14	Chapter 3 – Hardware and Mobile Devices Chapter 4 – Software and Mobile Applications	Discussion 1 Quiz 2
3	06/21	Chapter 5 – Database Systems and Big Data Chapter 6 – Networks and Cloud Computing	Research Paper Rough Draft Quiz 3 Exam 1
4	06/28	Chapter 7 – Electronic and Mobile Commerce Chapter 8 – Enterprise Systems	Quiz 4 Discussion 2 Research Paper Case Study Topic Selection
5	07/05	Chapter 9 – Business Intelligence and Analytics Chapter 10 – Knowledge Management and Specialized Information Systems	Quiz 5 Discussion 3 Exam 2
6	07/12	Chapter 11 -Strategic Planning and Project Management Chapter 12 – System Acquisition and Development	Quiz 6 Case Study Rough Draft
7	07/19	Chapter 13 – Cybercrime and Information System Security Chapter 14 – Ethical, Legal, and Social Issues of Information Systems	Quiz 7 Discussion 4 Case Study
8	07/23 (Thurs)	<b>NOTE: Exam 3 is due on a Thursday!</b>	Exam 3

**Due date are typically Sundays at the end of the night (11:59 PM) Central Standard Time.\***

\*The due date for the week of Thanksgiving is pushed back by 2 days to give more time for the holiday. These assignments are due Sunday at noon instead of Friday at noon. I recommend getting the assignments for that week done BEFORE the break but I understand that may be difficult so gave some extra time that weekend too.

**Late assignments will NOT be accepted.**

If an assignment must be turned in late due to extenuating circumstances, contact the me, your instructor, BEFORE the due date. Any exceptions to the late policy are at the sole discretion of the instructor.

## 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. Logon to A&M-Central Texas Canvas [<https://tamuct.instructure.com>].

Username: Your MyCT username (xx123 or everything before the "@" in your MyCT e-mail 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.

NOTE: We will NOT use Proctorio in this course.

### 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](mailto: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.*

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## 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. 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](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/index.html) [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](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. Tutors will return at the Tutoring Center in Warrior Hall, Suite 111 in the Fall 2020. 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](mailto: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 Summer 2020 semester, all services will be online as a result of the COVID-19 pandemic. The hours of operation are from 10:00 a.m.-4:00 p.m. Monday thru Thursday with satellite hours online Monday thru Thursday from 6:00-9:00 p.m. This summer, the UWC is also offering hours from 12:00-3:00 p.m. on Saturdays starting June 27th and ending July 18th.

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 [WOnline](https://tamuct.mywconline.com/) [https://tamuct.mywconline.com/]. In addition, you can email Dr. Bruce Bowles Jr. at [bruce.bowles@tamuct.edu](mailto: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) [http://tamuct.libguides.com/index].

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## **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) [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, who are exhibiting concerning behaviors, or individuals causing a significant disruption to our community, 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](https://cm.maxient.com/reportingform.php?TAMUCentralTexas&layout_id=2)].

Anonymous referrals are accepted. Please see the [Behavioral Intervention Team](https://www.tamuct.edu/student-affairs/bat.html) 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.

**Attendance Policies.**

Sign in to Canvas regularly (at least twice per week) to maintain good attendance in this course.

**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.