CIS 4341-120, CRN 60225 Information Technology Security and Risk Management
COSC 4341-120, CRN 10530 (Security and Risk Management)
Spring 2019
Texas A&M University-Central Texas

INSTRUCTOR AND CONTACT INFORMATION
Instructor: William Gadson
Class meets In FH on MW, 11:00am-12:15pm
Office: FH 323 Cubicle Area
 Phone: 209 207-8527

Email: Canvas Inbox (preferred). If the canvas is unavailable, email me: wgadson13@tamuct.edu

Office Hours:
 Monday and Wednesday after class or by appointment

Mode of instruction and course access:
This course is a Face-to-Face lecture course. All course contents will be made available using TAMUCT Canvas Learning Management System: [https://tamuct.instructure.com]. All announcement regarding homework assignments, class tests, exams will be posted on Canvas. Students are required to access Canvas course page several times every week to get any update regarding this course.

Student-instructor interaction:
Students are encouraged to send all course-related correspondence to Canvas email message. Students will use TAMUCT email only when Canvas is not available. I will check course messages and email twice daily during the week and in the evenings on most Saturdays and Sundays. I am also available for students on an appointment basis.

911 Cellular:
Emergency Warning System for Texas A&M University-Central Texas **911Cellular** 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 911Cellular through their myCT email account. Connect at 911Cellular [https://portal.publicsafetycloud.net/Texas-AM-Central/alert-management] to change where you receive your alerts or to opt out. By staying enrolled in 911Cellular, university officials can quickly pass on safety-related information, regardless of your location

COURSE INFORMATION

Course Overview and description:

Examine the fundamental principles and topics of Information Technology Security and Risk Management at the organizational level. Learn critical security principles and best practices in order to plan, develop and perform security tasks. Special emphasis on hardware, software, processes, communications, applications, and policies and procedures with respect to organizational IT Security and Risk Management.

Course Objective

A student successfully completing this course will be able to:

1. Describe the fundamental principles of information technology security.
2. Explain the concepts of threat, evaluation of assets, information assets, physical, operational, and information security and how they are related.
3. Recognize the need for the careful design of a secure organizational information infrastructure.
4. Identify both technical and administrative mitigation approaches.
5. Demonstrate an understanding of security technologies.
6. Discuss the need for a comprehensive security model and its implications for the security manager or Chief Security Officer (CSO).
7. Explain basic cryptography, its implementation considerations, and key management.
8. Determine appropriate strategies to assure confidentiality, integrity, and availability of information.

Skill outcomes

1. Perform risk analysis and risk management.
2. Create and maintain a comprehensive security model.
3. Design and guide the development of an organization's security policy.
4. Apply risk management techniques to manage risk, reduce vulnerabilities, threats, and apply appropriate safeguards/controls.

Competency Goals Statements (certification or standards): None

Required Reading and Textbook(s):

Book Title: Principles of Information Security, **6th Edition** Author:

Michael E. Whitman, Herbert J. Mattord

ISBN: 978-0-13-432275-9

Note: An electronic version of the book may be available. 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, software demonstration, PowerPoint presentation, etc.

COURSE REQUIREMENTS Reading Assignments:

All assigned chapters will be used as a basis for canvas course contents. Students are expected to study the required chapters and go through review questions after each chapter in every week. Students are required to check Announcement page of Canvas on a regular basis to get any updates regarding the course assignments and due dates.

Students are required to complete one midterm exam, one final exam, five class tests, two discussion questions, and four homework assignments. The topic of all exams will be declared in the canvas portal. Canvas discussions are counted towards class participation points for this course. Students are required to update their canvas settings (Account > Settings > Notifications) to **allow notifications** to send right away for all course-related activities.

Class Tests

There will be five class tests for this online course. The class tests will be conducted online through Canvas course website. Each class test will be worth 60 points. The class tests will be timed and once started, must be completed at the given time.

Exams

There will be one midterm and one final exam. The midterm exam will contain 210 points, and the final exam will contain 210 points. The final exam will **NOT** be comprehensive for this course. All chapters covered after the midterm will be considered for Final exam syllabus.

Assignments

Four homework assignments related to IT Security and Risk Management will be given to the students. The due dates of these assignments will be posted in canvas course portal. Each assignment will be worth 60 points. The assignment grading rubric will be provided in Canvas course Portal.

Grading Criteria Rubric and Conversion

The distribution of points in different activities and the grading scheme are mentioned below:

Student Activity	Quantity	Points	Total
Class Tests	5	60	300
Assignments	4	60	240
Midterm Exam	1	210	210
Final Exam	1	210	210
Canvas Discussions	2	20	40
Total			1000

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

COURSE OUTLINE AND CALENDAR

Week	Date	Reading Chapter	Due
1	Jan 14, 16	Chapter 1	
2	Jan 21, 23	No class Jan 21 Martin Luther King Holiday	Discussion Response Due 1/31
3	Jan 28, 30	Chapter 2	Class Test 1
4	Feb 4, 6	Chapter 3	Assignment 1
5	Feb 11, 13	Chapter 4	Class Test 2
6	Feb 18, 20	Chapter 5	Class Test 3
7	Feb 25, 27	Chapter 6	Assignment 2
8	Mar 4, 6	Chapter 7	Midterm Exam 3/7
	Mar 11-15	Spring Break	
9	Mar 18, 20	Chapter 8	Discussion Response Due 3/24
10	Mar 25, 27	Chapter 9	Class Test 4
11	Apr 1, 3	Chapter 10	Assignment 3
12	Apr 8, 10	Chapter 11	
13	Apr 15, 17	Chapter 12	Class Test 5
14	Apr22, 24	Course Review	Assignment 4
15	Apr 29, May 1	Final Exam 5/19	
16	May 6, 8	Last Week of Class	
	May 10	End of Semester	

Posting of Grades

All students' grade will be posted on the Canvas Grade book, and students can monitor their progress in this course using Canvas Portal. Students can expect to see their grades within one week of the closing of class tests, exams, and assignments. Students are expected to visit Canvas course webpage regularly to get any update regarding this online course. All updates regarding homework and tests will be posted in "**Announcement**" tab in Canvas course portal.

File Naming Convention

Students are required to submit their assignments via Canvas using file names with the following format: **CIS 4341-110** [*AssignmentID*] [*LastName_FirstName*].[file extension] For example, for homework assignment 2, the filename will be: CIS4341 Assignment2 Smith_James.zip

INSTRUCTOR POLICIES

Policies related to grading

- All the assignments must be submitted before the posted deadline in Canvas Course website unless arrangements are made beforehand.
- Assignments more than **24** hours late are subject to **10**% late penalty.

Instructor's Personal Statement

- The instructor reserves the right to modify the course syllabus during the semester for the benefit of the students.
- The instructor reserves the right to supplement materials presented in the text with additional course material that may help the students to understand the topic better.
- The instructor reserves the right to modify grading policy rubrics. Any Change to grading rubrics will be applied to current and possible future assignments.
- The instructor will not accept any course assignment after **May 10, 2019** in Spring 2019 semester.

Important University Dates:

Jan 14, 2019 – Class for Spring Semester 2019 begin
Jan 16, 2019 – Deadline to Add, Drop, and Late Registration for 16 Week and First 8 week classes
Jan 21, 2019 – Martin Luther King Jr. Holiday, University closed
Mar 11, 2019 – Spring Break Begins
Mar 15, 2019 – Spring Break Ends
May 10, 2019 – Spring Semester Ends

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.

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 a Drop Request Form [https://www.tamuct.edu/registrar/docs/Drop_Request_Form.pdf].

Professors 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, signed and returned. Once you return the signed 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, FOLLOWUP 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, 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 reported 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.

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 Department 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 Department of Access and Inclusion at (254) 501-5831. Any information you provide is private and confidential and will be treated as such. For more information please visit our Access & Inclusion web page at [https://www.tamuct.edu/student-affairs/access-inclusion.html].

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 the Student Affairs web page [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 Division of Student Affairs at (254) 501-5909 to seek out assistance. Students may also contact the University's Title IX Coordinator.

Tutoring.
Tutoring is available to all A&M-Central Texas students, both on-campus and online. Subjects tutored on campus include Accounting, Advanced Math, Biology, Finance, Statistics,

Mathematics, and Study Skills. Tutors are available at the Tutoring Center in Warrior Hall, Suite 111.

If you have a question regarding tutor schedules, need to schedule a tutoring session, are interested in becoming a tutor, or have any other question, contact Academic Support Programs at (254) 519-5796, or by emailing Dr. DeEadra Albert-Green at deeadra.albertgreen@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 FREE online tutoring and writing support. This tool provides tutoring in over 40 subject areas. Access Tutor.com through Canvas.

University Writing Center: Located in 416 Warrior Hall, the University Writing Center (UWC) at Texas A&M University-Central Texas is a free workspace open to all TAMUCT students from 10am-4pm Monday-Thursday during the summer with online hours available MondayThursday from 6:00-9:00pm. Students may arrange a one-on-one session with a trained and experienced writing tutor by visiting the UWC during normal operating hours (both halfhour and hour sessions are available) or 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 to schedule an online tutoring session. 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 University Writing Center is here to help!

If you have any questions about the University Writing Center, please do not hesitate to contact Dr. Bruce Bowles Jr. at bruce.bowles@tamuct.edu.

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].

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 faculties 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/departments/compliance/titleix.php].