

**University of Texas at Tyler  
Soules College of Business  
Department of Computer Science  
COSC 5342 Cyber Security Management**

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*Subject to Change*

## **Course Information**

**COSC 5342 Cyber Security Management Summer 2025**

Class in online asynchronous, content will be delivered on Canvas.

## **Instructor Contact**

Instructor: Sara Memarian Esfahani

Office location: COB 315.4

Zoom Meeting ID: <https://uttyler.zoom.us/j/8432799050>

Office hours: on Zoom by appointment

Email: Use the Inbox in Canvas (MUST include **COSC 5342 Cyber Security Management** in the Subject Line)

Normally, I will reply to an email within 24 to 48 hours.

To ensure a quick response over the weekends, please email me no later than Friday mornings.

Occasionally I will be unable to respond within that time frame but will inform the class in advance.

## **Communication Expectations**

The most convenient way to communicate with the instructor is through the Inbox in Canvas. Download the mobile app for your convenience.

### **Discussion Board Communication**

Please post general course or assignment questions to the General Course Questions & Answers Discussion Topic. Students are encouraged to respond to their fellow classmates' questions. I will read all discussion postings and add comments/suggestions/questions as necessary to keep the discussion on topic. Specific topic instructions on discussions are provided in the forums when needed.

### **Canvas Notifications:**

Receive instant notifications about course events, such as submissions, discussion messages, and announcements through canvas. Assignments and all deliverables will be graded and returned no later than one week after the due date.

## **About the Professor/Instructor**

Welcome to COSC 5342 Cyber Security Management. I am Sara Memarian Esfahani, the instructor for this course. I am excited to have you in this course and look forward to learning more about you and your academic career goals while at UT Tyler. Together we will explore a variety of topics within security issues related to information and organizational assets and we will journey through this course together to do great things.

## **Course Description**

In this course, you will explore the critical aspects of managing information security, focusing on compliance, laws, ethics, and the development of effective security policies. You will learn how to create and implement comprehensive security training programs and understand various security management models and best practices. This course aims to equip you with the necessary skills to effectively manage and safeguard an organization's information assets in today's dynamic cybersecurity landscape.

## **Course Structure**

This course is a online asynchronous course that lasts 7 weeks. See the course schedule table at the end of this file and on Canvas.

## **Course Objectives**

Upon successful completion of this course, you are expected to:

- Understand and apply key legal, ethical, and compliance aspects in information security.
- Develop and implement robust security policies tailored to organizational needs.
- Design and conduct effective information security training programs.
- Master various security management models and practices.
- Enhance organizational security posture through strategic planning and execution.

## **Course Topics**

1. INTRODUCTION TO THE MANAGEMENT OF INFORMATION SECURITY
2. COMPLIANCE: LAW AND ETHICS
3. GOVERNANCE AND STRATEGIC PLANNING FOR SECURITY
4. INFORMATION SECURITY POLICY
5. DEVELOPING THE SECURITY PROGRAM
6. RISK MANAGEMENT: ASSESSING AND TREATING RISK
7. SECURITY MANAGEMENT MODELS AND PRACTICES
8. PLANNING FOR CONTINGENCIES
9. SECURITY MAINTENANCE
10. PROTECTION MECHANISMS

## **Required Materials**

Management of Information Security by Michael E. Whitman, Herbert J. Mattord | 6th Edition

## **COURSE REQUIREMENTS AND GRADING:**

Your grade will be determined based on your performance on the activities identified below. No make-up for exams, simulations, or homework will be given. It is highly likely that “extra-credit work” will be assigned to individuals as a replacement for, or in addition to, these components. All points will show up in Canvas. Be sure to review the grading schema below to determine your letter grade.

**Individual Assignments:** Weekly reading of the assigned chapter for each week.

**EXAMS:** There will be two quizzes and one final comprehensive exam during the semester. You will be tested on all material assigned or taught in this course which includes class slides, quizzes, videos, etc. Respondus Lockdown Browser & Monitor is required to take all exams which require a webcam feature. Instructions are posted on canvas.

**GRADE CRITERIA:** All course work is always due at 11:59 p.m., unless otherwise noted. If you have not finished your projects, submit whatever you have completed. You will earn credit for what you complete.

Assignments (Subject to change)	Points Possible (Approx.)
Class Quizzes (each 50 points)	100
Assignment 1, 2, 3, 4 (each 100 points)	400
Canvas Discussions 1, 2, 3, 4, 5 (each 40 points)	200
Final Exam	300
<b>Total Points Possible with no extra credit</b>	<b>1000</b>

Total Points (%)	Letter Grade
900 & above	A
800 - 899	B
700 - 799	C
600 - 699	D
599 & below	F

*Schedule (subject to change)  
Due by Saturday 11:59 p.m. unless otherwise noted.*

Week	Date (the week of...)	Topic / Reading	Note
Week 1	May 5 <sup>th</sup>	Course Overview, Introduction Chapter 1 - MANAGEMENT OF INFORMATION SECURITY	<ul style="list-style-type: none"> <li>Understanding the Syllabus</li> <li>Canvas Discussion 1: Introduce Yourself</li> </ul>
Week 2	May 12 <sup>th</sup>	Chapter 2 - COMPLIANCE: LAW AND ETHICS Chapter 3- GOVERNANCE AND STRATEGIC PLANNING FOR SECURITY	<ul style="list-style-type: none"> <li>Chapters 2 and 3 readings</li> <li>Assignment 1 Due Sunday 18<sup>th</sup></li> <li>Canvas Discussion 2</li> </ul>
Week 3	May 19 <sup>th</sup>	Chapter 4 - INFORMATION SECURITY POLICY Chapter 5 - DEVELOPING THE SECURITY PROGRAM	<ul style="list-style-type: none"> <li>Chapters 4 and 5 readings</li> <li>Assignment 2 Due Sunday 25<sup>th</sup></li> <li>Quiz 1</li> </ul>
Week 4	May 26 <sup>th</sup>	Chapter 6 - RISK MANAGEMENT: ASSESSING RISK Chapter 7 - RISK MANAGEMENT: TREATING RISK	<ul style="list-style-type: none"> <li>Chapters 6 and 7 readings</li> <li>Assignment 3 Due Sunday June 1<sup>st</sup></li> <li>Canvas Discussion 3</li> </ul>
Week 5	June 2 <sup>nd</sup>	Chapter 8 - SECURITY MANAGEMENT MODELS Chapter 9 - SECURITY MANAGEMENT PRACTICES	<ul style="list-style-type: none"> <li>Chapters 8 and 9 readings</li> <li>Assignment 4 Due Sunday June 8<sup>th</sup></li> <li>Quiz 2</li> </ul>
Week 6	June 9 <sup>th</sup>	Chapter 10 - SECURITY MANAGEMENT PRACTICES Chapter 11 - SECURITY MAINTENANCE	<ul style="list-style-type: none"> <li>Chapters 10 and 11 readings</li> <li>Canvas Discussion 4</li> </ul>
Week 7	June 16 <sup>th</sup>	Final Exam	<ul style="list-style-type: none"> <li>Final Comprehensive Exam from chapters 1-11</li> </ul>

## Code of Conduct and Ethics

Academic integrity must be exhibited in your academic work, methods and conduct. Course work for which you receive an individual grade must be your original, individual effort. If any evidence exists of copying, cheating, or any other forms of academic dishonesty on all, or part, of your graded course work, you (and any others involved) will be awarded a ZERO for that work. Sharing files also counts as academic dishonesty. A second incident will result in a grade of an “F” in this course and a recommendation for further action by the office of the Vice President for Student Development.

A few key points to remember:

I would like to point out some of the activities we have sanctioned (awarded “F” grade and sometimes even more, removed from dean’s list, merit list etc.). I want to share this so that you know that we care integrity of the degree you receive from UT Tyler.

1. In one of the semesters, some exams were conducted using Respondus lockdown browser and video monitoring. However, some students took advantage of a loophole and had help from resources outside the screen and camera. Our instructors viewed 120 hours of video recording and found a group of students involved in a coordinated plagiarism. All were sanctioned, with some losing even scholarships!
2. In one instance, a student outsourced all his assignments to a person outside this country. The assignments were flagged for abnormal activities and with the help of some technology providers we were able to trace the IP address. The student was sanctioned (awarded a “F” grade in the course))
3. In multiple instances, students have had to borrow a laptop from another student in the course and posted something as them because they had not logged out of Canvas. This is considered misconduct on the part of both students. **DO NOT** give another student access to your UTTyler accounts.

Almost exams and quizzes have multiple versions, and the numbers and options are different. So, if you use your peer – the chance of choosing the wrong answer is extremely high. In worst cases (it has happened in some instances), the student would have used the numbers and details.

The instructor will post both UNOFFICIAL grade reports using Canvas.

**THREE BEFORE ME RULE:** If you have any issues or questions about assignments, class policies and schedules, etc. and want to speak with me (the Professor), please remember the three before me rule as stated in the next sentence. You must have attempted at least three options before you come to me. For example: TA, tutor, grader, etc. You must tell me what you tried and the results, including screen prints of errors or printed error messages.

Name:-----

Signature:-----

Date: -----