

# Enterprise Cybersecurity Management

MET CS 684 A1/E1

Instructor: Michael Mukavetz  
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**Classroom:** CAS 426

**Time:** Monday 6:00 – 8:45 PM

**Office hours:** By appointment - Zoom or after class

## Course Description & Learning Objectives

This course covers important topics that students need to understand to effectively manage a successful cybersecurity and privacy program, including governance, risk management, asset classification and incidence response.

These topics will be approached from the perspective of technology leadership within a modern organization. Students will research, read, and write about security topics using credible sources, then apply those concepts to realistic cybersecurity challenges. Writing and speaking will be emphasized, as it is critical that cybersecurity programs and information can be effectively communicated to audiences with varying levels of tech savvy.

By the end of the semester, students will be able to manage this flow of information within organizational security frameworks and programs. Weekly discussions and the final project will give practical experience that is directly applicable to companies that require cybersecurity management.

## Blackboard Course Material

The six module Study Guides will contain required readings and deliverables for each week of class. Each module also has supplementary lecture material and downloadable slides.

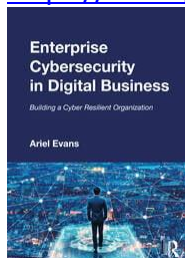
The Blackboard Discussion section is used for asking questions outside of class, and informal communication between students and the instructor. Blackboard discussion posts will not be graded.

The six Assignments can be found and downloaded in the section of the same name in Blackboard and should be submitted via the Grade Center. The Final Project document can also be found in the Assignments section.

The “Zoom Live Classroom” is where classes will be broadcast for remote students. Remote classes will also be recorded.

## Required Books

Evans, Ariel. *Enterprise Cybersecurity in Digital Business*. 2022,  
<https://doi.org/10.4324/9781003052616>



## Class Policies

- 1) **Attendance & Absences** – This course emphasized participation as reflected in the grading structure. Attendance is a major component of this and will be reflected in final grades. Adherence to your section's in-person or blended schedule is required by University policy. Notice is required in advance if a class will be missed due to illness or extraordinary circumstance.
- 2) **Assignment Completion & Late Work** – All assignments are to be completed and uploaded to Blackboard by the posted due date. Unexcused late work will be penalized 10% per day.
- 3) **Academic Conduct Code** – Cheating and plagiarism will not be tolerated in any Metropolitan College course. They will result in no credit for the assignment or examination and may lead to disciplinary actions. Please take the time to review the [Student Academic Conduct Code](#).
- 4) **Generative AI** – This course will follow the BU GAIA policy for using Generative AI in coursework. Read this policy carefully! Use of AI tools will be called for in certain areas of the course and must be used and cited as described.  
[CDS Generative AI Assistance \(GAIA\) Policy](#)
- 5) **Remote Students** – This course has a combination of traditional and blended learning students. All classes in E1 remote weeks will be streamed and recorded using the Blackboard "Zoom Live Classroom" link. All students are expected to be in class on the designated in-person learning days.
- 6) **BU Community COVID-19 Public Health Policies** - We will follow all BU Covid and health guidelines. Please get a test if symptomatic and let me know if you anticipate missing class due to illness.
- 7) **Assignment Citations** – All utilized text and electronic sources are expected to be footnoted and cited in Assignments. Use a format of your choosing as long as it is consistent. AI logs should be attached to Assignments when used. Failure to cite sources will be a minimum 10% penalty, up to a maximum of no credit and referral for Academic Misconduct.

### Grading Breakdown

<b>Assignments:</b> Six assignments that cover each course module. These will be submitted through Blackboard in advance of the due date.	24%
<b>Participation &amp; Discussions:</b> This covers live/virtual attendance and discussion topics (20%), supplementary quizzes (8%), and general participation in course interactions.	28%
<b>Final Project:</b> The term project will be introduced on the first day of class and will include periodic deliverables (e.g. proposal, outline, etc.) as well as a final report and presentation.	28%
<b>Final Exam:</b> An in-person final exam will be administered in our time slot during Finals Week.	20%

### Course Schedule

All assignments and project milestones are due prior to the start of class on the posted date.

*Bold days are combined A1/E1 on-campus.*

Date	Topic	Assignments	Project	Disc.
January 21	NO CLASS – MLK Jr. Day			
<b>January 27</b>	Module 1 – InfoSec and Orgs			Intro
February 3	Module 2 – Frameworks and Policy	Assignment 1 due		Topic
February 10	Module 2		Proposal	Topic
<b>February 18*</b>	Module 3 – The Security Program	Assignment 2 due		Topic
<b>February 24</b>	Module 3			Quiz
March 3	Project Week		Outline	Topic
March 10	NO CLASS – Spring Break			
March 17	Module 4 - Risk	Assignment 3 due		Topic
<b>March 24</b>	Module 4			Quiz
March 31	Module 5 – Assets, Data, & Privacy	Assignment 4 due		Topic
April 7	Module 5			Topic
April 14	Module 6 – Incident Response & DR	Assignment 5 due		Topic
<b>April 23*</b>	Module 6			Exam
<b>April 28</b>	Project presentation	Assignment 6 due	Submit	
<b>May 5</b>	Final Exam			

**\* Substitute Days for university holidays will be Tuesday, February 18 (President’s Day), and Wednesday, April 23 (Patriot’s Day). There will be no class the week of January 21 (MLK).**

### **Assignments**

Each course module has a corresponding Assignment that is available in Blackboard. Due dates are indicated above and are generally the week after we complete the module in class. Assignments should be submitted through Blackboard prior to the due date. If there is ever a problem with Blackboard, you may email me the assignment directly as an attachment.

Supporting information sources should be cited, and submissions should be clearly organized with proper spelling and grammar. Approximate submission length is included in the assignment documents but should be long enough to fully answer questions without adding unrelated/irrelevant information. A more detailed grading rubric is on Blackboard.

### **Discussion**

Between Weeks 3-13, each student is expected to independently locate and prepare to lead a brief informal discussion on an article that is relevant to the lecture topic. This can be a news story, journal article, white paper, or similar item from a credible source. Incorporation of personal experience is encouraged but should be accompanied by a supporting source. Bring a link or printout of your article. You will explain it in the context of the weekly topic, and the group will share their thoughts and opinions. If you miss a class discussion, you are expected to submit an article and written summary via email to receive credit.

For Week 2 we will use our discussion time for introductions and questions about the course. On Weeks 6 and 10, the discussion will be replaced by an in-class Quiz. Week 14 time will be used for exam prep and review.

### **Final Project**

There will be a term project required for the course. A document is available that will outline specifics for the project and deliverables. The project proposal will be made Week 4. Week 6 will require a draft project outline to be completed and shared informally with the class. Week 15 is the due date for the completed project, and each student will make a 10-15 minute presentation. Grading breakdown for the project:

5% - Proposal

20% - Outline

50% - Final Submission

25% - Presentation

### **Final Exam**

A final exam will be given on Monday, May 5<sup>th</sup> within the usual course time slot (6:00 – 8:45 PM). This will be an on-paper exam. You will be able to bring textbooks and notes to the exam, but no electronic resources.