Boston University Metropolitan College

Enterprise Cybersecurity Management

MET CS 684 A1/E1

Instructor: Michael Mukavetz
mukavetz@bu.edu

Classroom: CAS 326
Time: Monday 6:00 – 8:45 PM
Office hours: By appointment - Zoom or after class

Course Description
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.

Students are first introduced to cybersecurity & privacy policy frameworks, governance, standards, and strategy. Risk tolerance is critical when building a cybersecurity and privacy program that supports business goals and strategies. Risk management fundamentals and assessment processes will be reviewed in depth including the methodology for identifying, quantifying, mitigating and controlling risks. Asset classification and the importance of protecting Intellectual Property (IP) will prepare students to understand and identify protection mechanisms needed to defend against malicious actors, including industry competitors and nation states. Incident Response programs will cover preparation and responses necessary to triage incidents and respond quickly to limit damage from malicious actors.

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.

Boston University Metropolitan College

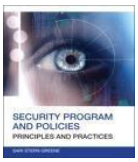
Required Books

Michael E. Whitman, Herbert J. Mattord Management of Information Security, 6th Edition (2019).

ISBN-10: 133740571X ISBN-13: 9781337405713

Sari Greene Security Program and Policies: Principles and Practices, 2nd Edition (2014).

ISBN-10: 0789751674 ISBN-13: 9780789751676



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. Late work will not be accepted.
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.

Grading Breakdown

Assignments: Six assignments that cover each course module. These will be submitted through Blackboard in advance of the due date.	24%
Participation & Discussions: This covers live and virtual attendance, discussion topics, and general participation in course interactions.	28%
Final Project: 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%
Final Exam: 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 22	Module 1 – Intro and InfoSec			Intro
January 29	Module 1 – Privacy and Ethics			Topic
February 5	Module 2 – Policies	Assignment 1 due	Proposal	Topic
February 12	Module 2 – Standards & Procedures			Topic
February 21*	Module 3 – Security Program	Assignment 2 due		Topic
February 26	Module 3 - WISP			Quiz
March 4	Project Week		Outline	Topic
March 11	NO CLASS – Spring Break			
March 28	Module 4 – Risk Assessment	Assignment 3 due		Topic
March 25	Module 4 – Organizational Risk			Quiz
April 1	Module 5 – Asset Management	Assignment 4 due		Topic
April 8	Module 5 – Privacy			Topic
April 17	NO CLASS - Patriot's Day			
April 22	Module 6	Assignment 5 due		Exam
April 29	Project presentation	Assignment 6 due	Submit	
May 6	Final Exam			

*** February 21st is a substitute day due to University holiday. We will not have class on Feb 19th (President's Day) or the week of April 17th (Patriot's Day).**

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 2-12, 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.

For Week 1 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 13 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 3. Week 6 will require a draft project outline to be completed and shared informally with the class. Week 14 is the due date for the completed project, and each student will make a 10-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 6th within the usual course time slot (6:00 – 8:45 PM). This will be an on-paper exam consisting of multiple choice and short-answer essay questions. You will be able to bring textbooks and notes to the exam, but no electronic resources.