MONTGOMERY COLLEGE
Rockville Campus
Engineering, Physical and Computer Sciences Department
CMSC260 Computer Security

Instructor Information

Name: Office Location:
Mailbox: Office Phone:
Email:
Office Hours:

Course Information

Semester: Course CRN:
Class starts: Class ends:

Class Meetings: Classroom:
Midterm Exam: Final Exam:

Check MyMC class schedule for your Specific   Check MyMC class schedule for your
Deadline to Drop without a grade W or to change   Specific Refund Deadlines
from audit to credit or from credit to audit

Course Description

Surveys major topics in assessment and development of security procedures for a variety of computer systems. The course emphasizes security needs, risk assessment, and practical measures for security management. Topics include Internet and web security, LAN security, protection of personal computers, physical security, hardware and software protection and products, virus countermeasures, and the human aspects of computer security.
 PREREQUISITE(S): CMSC 110 *or consent of department. Three hours each week. Formerly CS 210.*

3 semester hours

Course Outcomes

#	Upon completion of the course, the student will be able to:
1.	Identify the organizational role and individual role in security
2.	Describe the concepts of Public Key Infrastructure (PKI)
3.	Describe and utilize the various security stands and protocols
4.	Identify the roles of network security and infrastructure security
5.	Implement an intrusion detection system, a disaster recovery strategy, or a risk management methodology
6.	Implement Internet and Web security concepts
7.	Describe the impact of physical security.

Course Materials

Textbook:
Title: Principles of Computer Security: CompTIA Security+ and Beyond, 5th Edition

Author: Conklin & White

Publisher: McGraw Hill

ISBN: 978-1-260-02601-6

Textbook and other materials may be purchased through the bookstore

Grade Basis

Final Exam	25%
Midterm Exam	20%
Quizzes on Reading Assignments	15%
Assignments	40%
Total:	**100%**

Grading Scale:

90 - 100%	A
80 - 89%	B
70 - 79%	C
60 - 69%	D
Below 60%	F

General Class Policies

❖ You are responsible for all work missed, and for meeting assignment due dates when absent. Please call or email your instructor if you are going to be late or absent.
❖ You are strongly encouraged to contact your instructor at home by phone or e-mail if you are having difficulties, or have any questions about assignments.
❖ Please include your name and the course information in the submitted assignments.
❖ There is always a means to submit your assignments on time. Be creative, be persistent, and keep your instructor informed!
❖ All assignments must be turned in on or before the due dates to receive full credits.
❖ Missed Tests, Quizzes, and Assignments: NO MAKEUPS without a doctor's excuse. If the Final Exam is not taken, the student will receive a grade of F for the course.

Course Topics

Topics
CMSC 260 Intro
General Security Concepts
Operational and Organizational Security
The Role of People in Security
Cryptography
Public Key Infrastructure
Standards and Protocols
Physical Security
Network Fundamentals

Infrastructure Security
Authentication and Remote Access
Wireless Security
Midterm Exam Week
Intrusion Detection Systems & Network Security
Baselines
Types of Attacks and Malicious Software
Email and Instant Messaging
Web Components
Secure Software Development
Disaster Recovery, Business Continuity, & Organizational Policies
Risk Management
Final Exam Week