
CIS 360: NETWORK AND ENTERPRISE SECURITY

Class Schedule:	Tuesday, Thursday 2pm to 4pm
Instructor:	Chad Johnson
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Office hours:	Tuesday, 1pm to 2pm

COURSE DESCRIPTION

This course takes a look at enterprise security solutions and methods organizations use to provide confidentiality, integrity, and availability of data. It examines state-of-the-industry platforms and appliances, common policies and procedures, and common problems security professionals and decision-makers face.

COURSE OBJECTIVES

- Understand on-prem and cloud-based security challenges.
- Understand common defense strategies for organizations large and small.
- Gain familiarity with common enterprise security platforms.

TEXTBOOK

- We will be using open-source texts, posted to Canvas.

LECTURES

- Lecture notes will be posted in Canvas. I make every effort to make my notes available, but I may decline to include them at my discretion.
- Students are strongly encouraged to attend each class and actively participate in class discussions.
- In general, I do not believe in taking attendance. However, class attendance may be taken in any class without notification in advance.

GRADING

- 4 Exams: 60% (15% each)
- 4 Labs: 40% (10% each)

Note: Schedule / Syllabus is tentative and subject to change.

Final grades will be assigned according to the following scale:

A: score \geq 90	A-: 87 \leq score $<$ 90	
B+: 83 \leq score $<$ 87	B: 80 \leq score $<$ 83	B-: 77 \leq score $<$ 80
C+: 73 \leq score $<$ 77	C: 70 \leq score $<$ 73	C-: 65 \leq score $<$ 70
D: 60 \leq score $<$ 65		
F: score $<$ 60		

Scale may be adjusted, depending on the overall performance of the class.

ASSIGNMENTS AND DEADLINES

- Labs will be a variety of tasks. Some may require writing a short paper. Others might require completing multiple steps to achieve a goal (as in a CTF.) Each assignment will have those expectations detailed in the assignment instructions.
- Exams are open note/book, and you can use the Internet to search for answers. Please do not collaborate on them. They are not group assignments. You will have the week to complete the exam. Two attempts. Questions will be randomly chosen from a bank. Multiple-choice, multi-select, and true/false only. If you miss an exam, it cannot be made up.

OFFICE HOURS POLICY

- I prefer that you contact me via email.
- However, you are still welcome to my office to ask me any questions at any other times.
- I fear the phone.
- Virtual office hours will be posted to Canvas or you can just make an appointment with me through Bookings.

REGRADING

Grades will be posted in Canvas. After the scores are announced, you have 7 days to request regrading by contacting the instructor (office hours or email). Your grade will be final after 7 days.

CANVAS

The Canvas URL is <https://canvas.uwsp.edu>. Use your UWSP NetID and password to login. We use Canvas for everything from important announcements, instructions, assignment submissions, and grades.

ACADEMIC INTEGRITY

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The university cannot and will not tolerate any form of academic dishonesty by its students. This includes, but is not limited to cheating on examinations, plagiarism, or collusion. **Any form of academic dishonesty may lead to F grade for this course.**

STUDENTS WITH DISABILITIES

If you require accommodation based on disability, please let me know. I am willing to provide any reasonable accommodations you require. The sooner you inform me the better.

TENTATIVE SCHEDULE

Week	Lecture Topics	Due	Read
1	Introduction		
2	Physical Security		
3	Identity and Access Management	Lab 1	
4	Multi-Level Security	Exam 1	
5	Multi-Level Integrity		
6	Security Architecture & Design	Lab 2	
7	Security Patterns		
8	Incident Response	Exam 2	
9	Virtualization Security		
10	Cloud Security		
11	Intrusion Detection and Prevention	Lab 3	
12	Web Service Security	Exam 3	
13	Public Key Security		
14	Private Key Security	Lab 4	
15	Crypto APIs		
16	Finals Week	Exam 4	

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