

# CSC432Z – Computer & Network Security (Online)

## Syllabus

The class syllabus can be found [here](#)

## Office Hours

Office hours are posted [here](#)

## Textbook

[Guide to Network Security](#)

## Lab Manual

A PDF version of the lab manual will be made available to students enrolled in this course via [Engage](#)

## Class Schedule – (*tentative*)

## Lecture Videos

All recorded lectures can be found [here](#). You must log in using the class password in order to view them.

Week	Activities	
1	Lecture: <a href="#">Introduction to Information Security</a> Lab 1: Getting Started Lecture: <a href="#">Networking Review</a> Lab 2: Initial Virtual Machines	

2	<p>Lecture: <a href="#">Cryptography Basics</a>  Lab 3: Encryption  Lecture: <a href="#">Firewall Technologies and Administration</a>  Lab 4: Firewalls</p>
3	<p>Lecture: <a href="#">Authentication and Remote Access using VPN</a>  Lab 5: VPNs  Lecture: <a href="#">Network Monitoring and Intrusion Detection and Prevention Systems</a>  Lab 6: Network Monitoring</p>
4	<p>Lecture: <a href="#">Wireless Network Security</a>  Lab 7: Wireless Security  Lecture: <a href="#">Security of Web Applications</a>  Lab 8: Web Server Security</p>
5	<p>Lecture: <a href="#">Network Vulnerability Assessment</a>  Lab 9: Vulnerability Assessment  Lecture: <a href="#">Auditing, Monitoring, and Logging</a>  Lab 10: System Monitoring</p>
6	<p>Lecture: <a href="#">Contingency Planning and Networking Incident Response</a>  Lab 11: Backup &amp; Recovery  Lecture: <a href="#">Digital Forensics</a>  Lab 12: System Integrity</p>
7	Report First Drafts Due!
8	Final Exam Week – Final Reports Due

## Labs

Students will engage in hands-on lab exercises that will provide them with experience using the Linux command line as well as setting up services and administering their individual environments. All students will be required to submit individual lab write-ups detailing the work performed in each exercise. Drop boxes will be provided in [Engage](#) with corresponding due dates. Late submissions will not be accepted!

All lab write-ups must consist of the following:

- Cover page
- Abstract
- Introduction
- Processes involved in completing the lab
- Screenshots of major steps to provide proof of lab completion
- Identification of any issues or delays as well as resolutions
- Conclusion
- References

## Plagiarism & Cheating

Plagiarism and cheating are not tolerated in any of my courses. If you are caught performing any form of academic misconduct in this class appropriate action will be taken and you will be removed from the course as well as receive an 'F for cheating' grade on your transcript.

## Links

- [Utica College Computer Science Department Website](#)
- [Utica College Computer Science Department Virtualized Lab Environment](#)
- [Making Persistent Kali Sticks](#)
- [Accessing Computer Science Department Resources](#)
- [Central New York Hackathon](#)
- [W3 Schools – Learn Web Development](#)
- [National Vulnerability Database](#)
- [Common Vulnerabilities and Exposures](#)