

CSC432 – Computer & Network Security

Syllabus

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

Office Hours

Office hours are posted [here](#)

Textbook

[CompTIA Security+ Deluxe Study Guide: Exam SY0-501](#)

Lab Manual

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

Class Schedule – (*tentative*)

Lectures:

MW 9:30 am – 11:00 am

| Week | Monday | Wednesday |
|------|--|-----------|
| 1 | Managing Risk Lab 1: Getting Started | |
| 2 | Monitoring and Diagnosing Networks Lab 2: Initial Virtual Machines | |
| 3 | Understanding Devices and Infrastructure Lab 3: Firewalls | |
| 4 | Identity and Access Management Lab 4: 2FA with Google Authenticator | |

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| 5 | Wireless Network Threats Lab 5: Wireless Security |
| 6 | Securing the Cloud Lab 6: Network Monitoring |
| 7 | Host, Data, and Application Security Lab 7: Web Server Security |
| 8 | Cryptography Lab 8: Encryption Project Proposals Due! |
| 9 | Spring Break |
| 10 | Threats, Attacks, and Vulnerabilities Lab 9: Vulnerability Assessment |
| 11 | Social Engineering and Other Foes Lab 10: System Monitoring |
| 12 | Security Administration Lab 11: System Integrity |
| 13 | Disaster Recovery and Incident Response Lab 12: Backup |
| 14 | Work on Projects |
| 15 | Report First Drafts Due! |
| 16 | Final Exam Week – Final Reports Due Project Presentations! |

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](#)