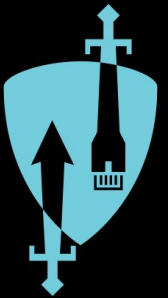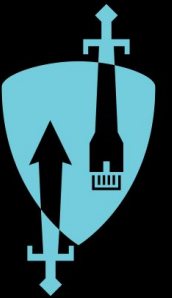# Systems Security Final Class! (SysSec)

Systems Security - Spring 2020
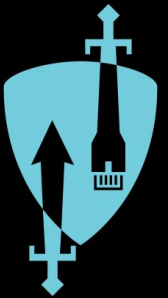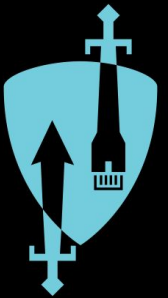
So what did I learn?

Experiences

———

- Learned concepts covered in class in a hands-on virtual environment
- Extra competition to gain additional insight
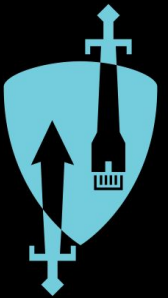- Lockdown v8! → How was it? Experiences and feedback?
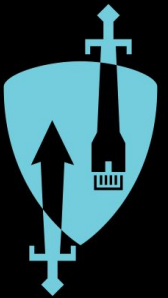
Topics Covered

___

- Cyber Security Basics
- Networking and Virtualization
- Windows and Linux
- Ansible
- Penetration Testing
- Firewalls
- Packet Analysis
- RISK Management

Let's put it to the test!
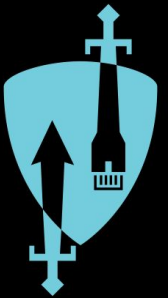
How can I improve my cyber security knowledge?

Get Certifications!

———

- [CompTIA Security+](#)
  - No job experience necessary!
- [ISC2 SSCP](#)
- CISSP
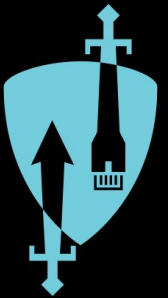 - Need job experience for full cert, but can also take exam without experience

Attend Conferences!

___

- [Security B-Sides Rochester](#)
- [ShmooCon](#)
- [WiCyS Conference](#)

Compete in Competitions!

- Collegiate Penetration Testing Competition ([CPTC](#))
- Collegiate Cyber Defense Competition ([CCDC](#))
- Information Security Talent Search ([ISTS](#))

Enroll in Classes!

———

- MGS 650: Information Assurance w/ Kevin Cleary
- MGS 610: Digital Forensics w/ Dominic Sellito
- CSE 365: Computer Security w/ Alan Hunt
- CSE 565/410/510: Computer Security w/ Marina Blanton
- Networking Classes: CSE 489, CSE 411, etc.
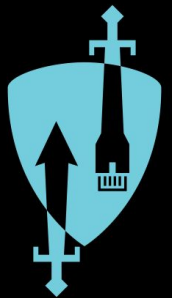
Look at Online Resources!

___

- Cybrary and Udemy
- HackTheBox (Free and Premium Accounts)
- Cyberseek and OverTheWire
- CompTIA
- Learn python (API, automation, cybersecurity scripts)
- Learn to leverage LinkedIn (network w/ people in industry)
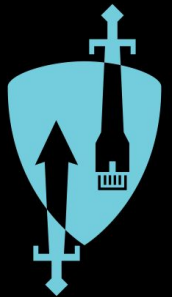
How can I stay involved in UB NetDef?

- Network Security
- Security Scripting
- Security Development
- Lockdown
- External Competitions (ie CCDC)

LINK: https://forms.gle/1gTLzRTw5qLAxAuk9

Final Remarks?