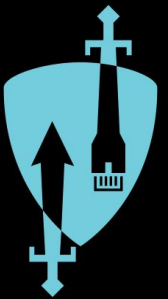


Welcome to Systems Security! (SysSec)

Systems Security - Spring 2020

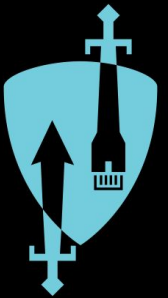


Introductions



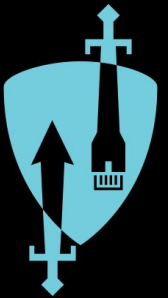
Meet Our Team!

- Aibek Zhylkaidarov
- Andrew Mavrogeorgis
- Andrew Shi
- Anthony Magrene
- Anup Johnson
- Aritra Paul
- Can Toprak
- Derek Caudill
- Dewan Islam
- Jay Chen
- Lucas Crassidis
- Shanelle Iletto
- Shreya Lakhkar
- Sriniketh Varma
- Dasarraju
- Zachary Tenenbaum



UBNetDef at a Glance

- Systems Security (SysSec)
- Network Security (NetSec)
- Security Development (SecDev)
- Everyone participates in Lockdown!



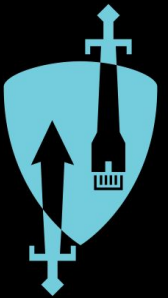
Systems Security

- Course you are enrolled in now!
- Introductory security course
- Learning topics such as...
 - Virtualization and networking
 - Windows and Linux
 - Business things
 - And much more!



Network Security

- Unique independent study course implementing scrum methodology
- Focuses on network security and using tools such as...
 - Wireshark
 - Bro
 - Snort
 - And much more!



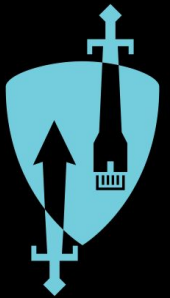
Security Development

- Independent study wherein we help teach SysSec students the fundamentals of security
- Comprised of both management and CS/CEN students from undergrad and grad level
- We're here to help you learn and have fun!



Lockdown

- Competition that we hold once a semester
- Focuses on Security, System Admin, problem solving skills and teamwork / collaboration
- Very challenging, but fun!!!
- Similar competition for High School Students
- Annual internal lockdown in fall sem.

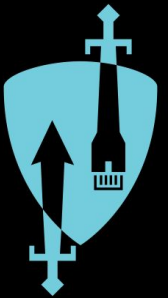


What do I need in order to
succeed?



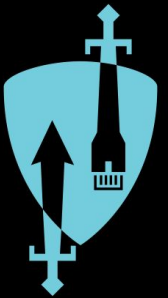
Virtual Machines

- VMs are used to create your own infrastructure where you will learn how computers interact over a network
- We host this all on servers that we manage in Davis Hall
- Will be used for the bulk of homework assignments



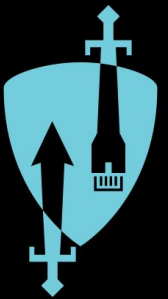
Virtual Machine Access

- Type the server name into your browser
- Server Name: **cdr-vcenter.cse.buffalo.edu**
- [Off Campus? Use the UB VPN!](#)



SysSec Homework Engine

- All homeworks and assignments will be posted to the “Homework Engine”
- Login credentials will be provided soon!
- homework.ubnetdef.org



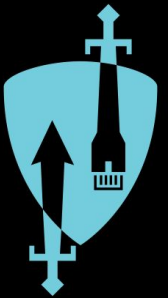
Mattermost, aka ~ 24/7 Office Hours!

- Way for us to communicate and for you to be able to ask questions
- Responses are rather quick through most of the day
- Please ask general questions in the SysSec chat
- Feel free to offer other classmates advice
- Received Mattermost channel invite - please accept with UB email!
- chat.ubnetdef.org/ubnetdef/channels/syssec-sp20

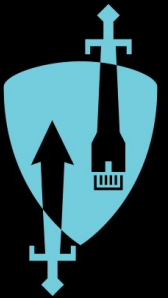


Attendance

- ubnetdef.org/attendance
- Weekly attendance is recorded and we really appreciate feedback from the lectures :)

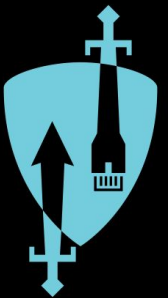


Most Importantly...



UB NetDef Website

- ubnetdef.org
- ubnetdef.org/courses/syssec
 - Syllabus, grading scale, rules, etc.

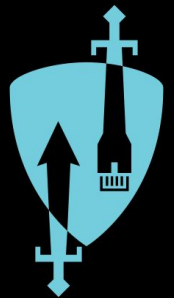


How will be be graded?



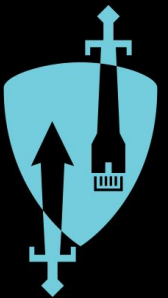
Grading Breakdown

Grading Scale	
Attendance	15
Lockdown	15
Final Project	15
Projects	50
Extra Comp.	5
Total	100



Grading Scale

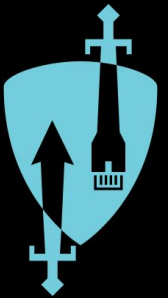
Letter grade	Percentage
A	$\geq 93\%$
A-	$\geq 90\%$
B+	$\geq 87\%$
B	$\geq 83\%$
B-	$\geq 80\%$
C+	$\geq 77\%$
C	$\geq 73\%$
C-	$\geq 70\%$
D	$\geq 65\%$
F	$<65\%$



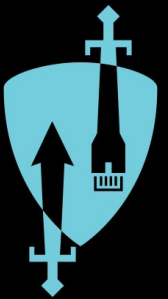
Why should I be excited for
the class?



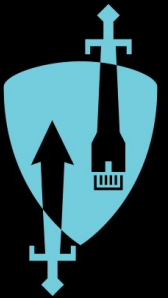
1. You will learn a lot!



**2. There are a ton of
opportunities for you to
explore!**



**3. We are a unique
community!**





Questions?

(1000 Mile overview next)