WELCOME TO NETWORK SECURITY

EN.600.444/644

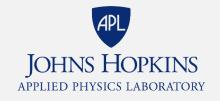
Spring 2019

Dr. Seth James Nielson

ABOUT THE INSTRUCTOR



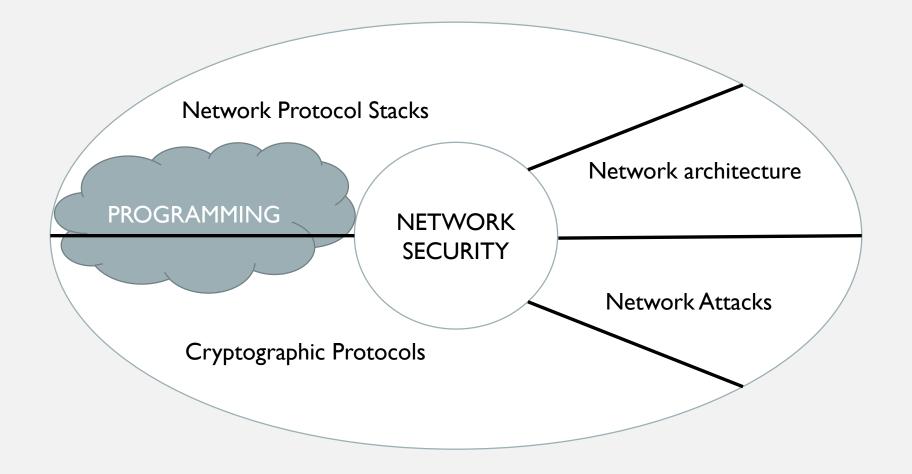








ABOUT THE COURSE



PHILOSOPHICAL OVERVIEW

TECHNICAL	NONTECHNICAL
THEORY	PRACTICE
EDUCATED	SKILLED
TEACHER	STUDENT



THE 5 ORDERS OF IGNORANCE

- 0th Order: Known Knowns
- Ist Order: Known Unknowns
- 2nd Order: Unknown Unknowns
- 3rd Order: Unknown methods for discovering unknown unknowns
- 4th Order: Unknown methods for exploring the orders of ignorance

(Adapted from Phillip Armour, "The Five Orders of Ignorance")

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SKILL

EDUCATION

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STUDENT + TEACHER





Sufficient Time Sufficient Sacrifice Sufficient Humility



SHARED VISION

FACING THE CHALLENGE

Final Exam: Teach it!

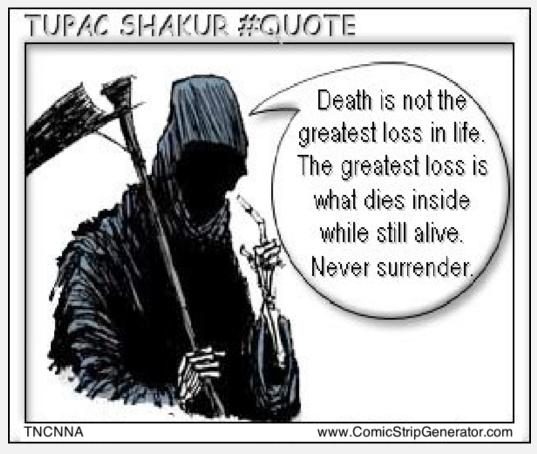
Spec Drafting

Three MAJOR labs

Technical Reading + Quizes

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BUT YOU CAN DO IT!



I BELIEVE in YOU

I want you to **SUCCEED!**

I want you to feel the **RUSH** and **LOVE** it!

BUT UNDERSTAND THE RISKS

A "B" (or maybe even a "C") is not the greatest loss in your academic career. The greatest loss is an "A" on your transcript, but a "B" (or maybe even a "C") in your heart and mind.

Dr Nielson #Quote

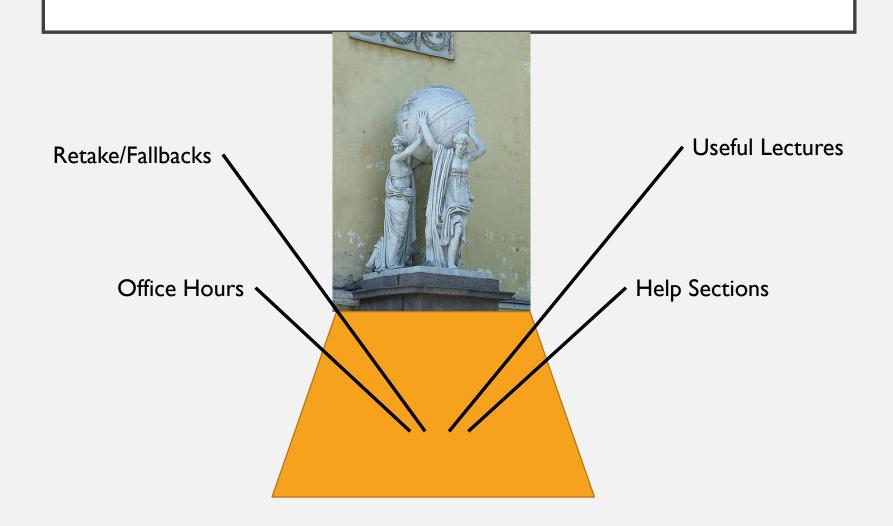
THIS CLASS IS **NOT** FOR YOU IF...

- Grades matter more than learning
- You're not willing to take risks
- You're not willing to work hard
- You're not willing to be uncomfortable

THIS CLASS IS FOR YOU IF...

- You want to increase your awesomeness
- You want to think in ways you've never thought before
- You like taking on challenges
- You understand both figuring things out for yourself and the need to get help

MY JOB IS ENABLEMENT



POLICY #1: COMMUNICATION

If you are having trouble, you will tell me **EARLY**.

POLICY #2: CLASS IS FOR DISCUSSION

I will not cover every detail in class. You must learn the core individually.

POLICY #2(A): LEARN BEFORE CLASS

Study assigned readings before class. Bring Questions/Insights.

POLICY #2(B): TA/TEACHER HELP

If you did not fully understand a class topic, see a TA/Teacher for HELP.

POLICY #3: THE WORLD IS YOUR TEXTBOOK

Some readings are unspecified. Find materials by **SEARCH**.

POLICY #4: LAPTOPS

Bring laptops to class every day. Use them for class assignments **ONLY**.

POLICY #5: CHEATING

Review details in the Syllabus. Don't Do It.

CLASS RESOURCE #1: CAMPUSWIRE

- Similar to Piazza, but I think it might be better (experiment)
- For most questions, please post to Campuswire instead of sending email
- Responding to an email helps 1, responding on Campuswire helps class
- You will receive an invite

CLASS RESOURCE #2: GITHUB

- github.com/CrimsonVista/NetworkSecuritySpring2019
- You need to share a PRIVATE github repo with Teacher/TA for this class
- Please review instructions for organizing directories within the repo
- Make sure you have academic status at GitHub so you can collaborate

CLASS RESOURCE #3: HELP SECTIONS

- Out-of-class reinforcement, hands-on help for new concepts
- Please let the teaching staff know on Campuswire good times for these
- Intended to help individuals that are behind catch-up

NEXT CLASS PREVIEW



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