CSF 434/534: Advanced Network and System Security

Introduction

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Introduction

Introduction

About the Instructor

- ☑ Cyber Security Lecturer
  URI 101 / CSC 101 / CSC 211 / CSF 432 / CSF 434 / CSF 534

- ☑ Computer Science B.S, M.S ~ PhD

- ☑ Cyber Security and Computer Science NSF funded projects

- ☑ Digital Forensics and Cyber Security Center at URI

- ☑ CAE and NICE Attendee

- ☑ URI since 2014

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About the Course

- ☑ CSF 434 / CSF 534 ~ Constantly evolving

- ☑ Required Text: CompTIA Security+ Fifth Edition (Exam SY0-501)

- ☑ Delivered online through Brightspace and GitHub

- ☑ Covering both theoretical and practical applications towards cyber security and proper cyber hygiene

- ☑ CSF 432 (Intro to Network and Systems Security) is a prerequisite

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Course Goals and Outcomes

☑ Perform threat analysis and respond with appropriate mitigation techniques

☑ Participate in risk mitigation activities

☑ Operate with an awareness of applicable policies, laws and regulations

    ☑ Threats, Attacks and Vulnerabilities

    ☑ Technologies and Tools

    ☑ Architecture and Design

    ☑ Identity and Access Management

    ☑ Risk Management

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Materials and Tools

☑ Machine with virtualization capability (VMWare) with sufficient primary and secondary memory

☑ Immersive Labs, Textbook (O'Riley recommended)

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Course Format

☑ Delivered online through Brightspace and GitHub

☑ Each new week opens every **Friday**

☑ All deliverables are due **Sunday** (nine (9) days from original release of material)

    ☑ Quizzes

    ☑ Assignments

    ☑ Labs

☑ Late Policy ~ Accept 3 days late with a 10% penalty for each day late. (Example: If an assignment is due 11:55p on Sunday and you submit your assignment at 11:56p on Sunday, it will be considered one day late and will receive a 10% penalty)

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Grading Scale		Weight Distribution
A 94-100	A- 90-93	30% -- Labs
B+ 87-89	B 83-86	30% -- Assignments
B 83-86	B- 80-82	20% -- Quizzes
C+ 77-79	C 73-76	20% -- Final Exam
C- 70-72	D+ 67-69	
D 60-66	F < 60	

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Tips for Success

☑ Check course website regularly for announcements, posted readings, assignments, and discussion questions.

☑ Don't be afraid to ask!

☑ Reach out to teaching staff via email (in person if on campus)

☑ Read first, then listen to lecture

☑ Start assignments as early as possible

☑ Save work regularly

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Contact Information

☑ Michael Conti

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☑ Brightspace Forums

☑ Office Hours TBD

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"Effective cyber-security should be considered an investment."

– Mike DeWine