

CSCD 303

Essential Computer Security



Lecture 1 - Course Details

Contact Information

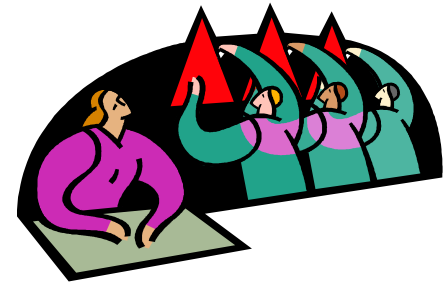
- **Instructor**

Carol Taylor

Office: 319 CEB

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- **Office Hours:**

Mon, Tue, Wed, Fri 11am – 12 pm

Course Information

- **Course number and Title**
CSCD303 Essential Computer Security
- **Course Days and Time**
 - Mon, Wed, Fri – Lecture CEB 227 – 1 - 2 pm
 - Tue, Thu – Lab, CEB 342
- **Web page for the class**
<http://penguin.ewu.edu/cscd303>

Overview

- Today
 - Pre-requisite knowledge
 - Course overview
 - Some expectations of you and me
 - Learning Objectives for this course

Pre-requisite Knowledge



- You don't have to be a computer or security expert
 - Basic computer knowledge, how to use a computer, Word processor, spreadsheet
 - Knowledge of virus scanners, firewalls and other security tools helpful, but not required !!!
 - You will learn all you need to know

Your Background



- My Assumptions
 - You are Students at EWU
 - Little experience in Computer Security
 - Technically savvy
 - Good at using devices
 - Smart phones, iPads, wireless routers
 - Interested in Security as a topic

Student Learning Objectives

- **At the end of this course, you should have**
- Learned about dangers of computer based attacks
 - Viruses, spyware, identity theft and Web based attacks
 - Social Engineering (SE) attacks
 - Learned how to protect yourself from the most common types of SE attacks
- Learned about privacy and common threats to your information

What You Should Do



- Come to class
 - Participate, learn and ask questions
- Download lecture notes
- Do reading if assigned –
 - Some reading outside the CompTIA book
- Ideally, you should investigate topics on your own
 - Use the Internet to discover answers

What You are Expected To Do

- Hands-on labs - fun!
- Opportunities to contribute to class
 - Suggestions for speakers, video or links
 - Will get extra credit for contributing
 - I will let you know more about extra credit opportunities

What is Expected of Me



- Expect me to guide you in learning
 - Security is a large topic, constantly in flux
- You will likely discover as much information outside of class as is covered in class
- You are encouraged to share what you learned with the class
 - In class discussions
 - Links to material

Credentials

- My Background
 - PhD from University of Idaho in CS
 - Specialty is in Security
 - Also have MS and BS degrees in Forestry
 - Have acquired networking expertise at EWU
 - I have more research experience than practical hands-on experience
 - But, I try to keep up on the latest
- I have strong bias
 - I often question government control and do we need ever more security to keep us “safe”
 - I encourage you to ask the same questions

What is Expected of Me

- I will provide feedback
- I will put interesting links up on our page with your help, likely a wiki for contributions
- Find some speakers to talk to the class
 - If you know of someone who can talk ... at work, or through your friends

Conclusion



- This should be a good class and increase your knowledge of security and privacy
- May be challenging in some of the concepts
 - Nothing in this course is particularly difficult, but the difficulty is that it is a large topic
- Not just a technical topic
 - Many attacks are through exploitation of social norms
 - Trust, relationships
 - Privacy is also at risk and not just from the bad guys
 - Commercial companies, government

The End

- Questions?

- Next Time

- Security overview

- Read: Chapter 1 – CompTIA Security + book













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