



Mrs. Carrasco
Spring 2019
Cybersecurity (Cisco)
http://porelamordemath.weebly.com/

Dear Students and Parents:

Welcome Back! I hope you all had a great winter break and that you are ready to start a new semester.

Course Description

Cybersecurity Essentials covers foundation knowledge and essentials skills in all security domains in the cyber world - information security, systems security, network security, mobile security, physical security, ethics and laws, related technologies, defense and mitigation techniques use in protecting business.

Resource Materials: CISCO Network Academy (www.netacad.com) (Curriculum (including quizzes and Assessments))

Learning Objectives:

Upon completion of the IT Essentials v6.0 course, students will be able to perform the following tasks:

- Describe the characteristics of criminals and specialists in the cybersecurity realm.
- Describe how the principles of confidentiality, integrity, and availability as they relate to data states and cybersecurity countermeasures.
- Describe the tactics, techniques and procedures used by cyber criminals.
- Describe technologies, products and procedures used to protect confidentiality, ensure integrity and provide high availability.
- Explain how cybersecurity professionals use technologies, processes and procedures to defend all components of the network.
- Explain the purpose of laws related to cybersecurity.

Student Responsibilities:

You should attend all class meetings and seek clarification to understand the concepts presented by completing all the course chapters, asking questions, participating in class discussions and activities, and utilizing available resources. Participation and completion of all labs is required and will be done in teams during class time. Lab rules will be strictly adhered to for the safety of the student and to prevent damage to the equipment. Although most labs are done in class with a teammate, some labs may have to be done outside of class when class time does not permit the inclusion of those labs.

Consequences

Refer to your student handbook for discipline standards.

Cell phone/Electronic devices

Cell phones/electronic devices will only be used at the teachers expressed direction. Students who abuse this privilege may have it revoked. Absolutely no texting or calls in the class. Any discipline with cell phones will result in cell phones being turned into the office.

CLASS POLICIES:

- The curriculum for this course is available online.
- Since this course is very intense in terms of requirements, you would be wise to stay on top of weekly assignments.
- Quizzes for each chapter can be found within the curriculum; they prepare you for the Cisco online exams.

- **Scale**
- **A 90-100%**
- **B 80-89%**
- **C 70-79%**
- **D 60-69%**
- **F 0-59%**

<u>Grading Guidelines</u>		
Midterm/Final	-----→	3%
Quizzes	-----→	20%
In-class Labs	-----→	30%
Exams	-----→	32%
Packet Tracers	-----→	15%

Sincerely,

Mrs. Carrasco
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