

ITBU 313: Introduction to Cyber Security, Homework 03

Chapter 15, *Computer Security, Principles and Practices*

Readings

Read chapter 15 in the *Computer Security, Principles and Practices* book.

Discussion Questions

Answer the discussion questions in writing.

1. What is a *control*, as defined in the book? You should remember this term.
2. What are the three classes of controls? Give one example of each class.
3. Briefly describe supportive controls, preventative controls, and detection/recovery controls.
4. Describe the purpose of human resource controls. We will spend some time studying this.
5. Describe the purpose of access controls. We will spend some time studying this.
6. Describe the purpose of physical and environmental controls. We will spend some time studying this.
7. Briefly discuss what it means to consider the “feasibility and effectiveness” of controls.
8. Briefly discuss what it means to perform a “cost-benefit analysis” of controls. What exactly does this mean. Be specific.
9. List the eight categories of details that a security plan should include, according to NIST SP 800-30.
10. What are the maintenance tasks in maintaining and monitoring implemented controls?
11. Why do we perform audits for security compliance?
12. Why do we engage in the process of change management?
13. What is the difference between change management and configuration management?