ITBU 443: Threats and Counter Measures, Homework 09

Chapter 09, *Computer Security, Principles and Practices*

Readings

Read chapter 09 in the *Computer Security, Principles and Practices* book.

Discussion Questions

Answer the discussion questions in writing.

1. List three design goals of firewalls.

2. Describe four characteristics that a firewall could use to filter traffic.

3. What are some of the limitations of firewalls?

4. Briefly discuss the ramifications of the two default firewall policies. Be specific.

5. Name some advantages of a host based firewall.

6. What is the purpose of a DMZ? How would you use a DMZ? What would a DMZ contain?

7. (Not in book) What is VPN tunneling? At what layer can VPN tunneling occur? You may want to look at the OSI seven layer model.

8. Discuss the difference(s) between an IDS and an IPS.

9. What is a *sandbox*? What would you use it for?

10. Describe a UTM device.