California State University, Northridge
College of Business & Economics
Department of Accounting & Information Systems

IS 497B: Information Security and Assurance
Reading Preparation Assignment
Management of Information Security
Chapter 6

Read Chapter 6, Security Management Models, of the *Management of Information Security* textbook, pp. 211-241.

The following review questions will be used to lead class discussion. Note, while I feel that it is a good idea to write out the answers to these questions, please know that I will not be collecting them as homework.

1. What is an InfoSec framework? How does it relate to the information security blueprint?
2. What is a security model? How might an InfoSec professional use a security model?
3. What is access control?
4. What are the essential processes of access control?
5. What are the key principles on which access control is founded?
6. Identify at least two approaches used to categorize access control methodologies. List the types of controls found in each.
7. What is a mandatory access control?
8. What is a data classification model? How is data classification different from a clearance level?
9. Which international InfoSec standards have evolved from the BS 7799 model? What do they include?
10. What is an alternative model to the BS 7799 model (and its successors)? What does it include?
11. What are the documents in the ISO/IEC 27000 series?
12. What is COBIT? Who is its sponsor? What does it accomplish?
13. What are the two primary advantages of NIST security models?
14. What is the common name for NIST SP 800-12? What is the document's purpose? What resources does it provide?
15. What is the common name for NIST SP 800-14? What is the document's purpose? What resources does it provide?
16. What are the common names for NIST SP 800-53 and NIST SP 800-53A? What is the purpose of each document? What resources do they provide?
17. What is the common name of NIST SP 800-30? What is the document's purpose? What resources does it provide?
18. What is COSO, and why is it important?

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