

IS 628: Computer-based Information Systems  
Reading Preparation Assignment  
Chapter 8 Part II  
Basic Systems Concepts and Tools

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Read the sections of Chapter 8 of the text, beginning with *Business Processes*, pp. 336 – 358.

Be prepared for class discussion based on the following questions:

1. Explain the first two principles of systems analysis and design.
2. Define the term business process reengineering and describe its importance for IS work.
3. What are analysis and design patterns and why are they useful for information systems development?
4. What is an audit trail and why is it a useful mechanism for controlling business risks due to an information system?
5. In what way does thorough documentation for an information system help in compliance with regulations such as Sarbanes-Oxley?
6. Explain why some organizations have adopted more rigid control mechanisms in recent years and whether or not you think they are justified, given the added costs to implement them.