

CHAPTER 10 LECTURE OUTLINE

Computer Science Illuminated, Seventh Edition

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Operating Systems

10.1 Roles of an Operating System

Memory, Process, and CPU Management

Batch Processing

Timesharing

Other OS Factors

10.2 Memory Management

Single Contiguous Memory Management

Partition Memory Management

Paged Memory Management

10.3 Process Management

The Process States

The Process Control Block

10.4 CPU Scheduling

First Come, First Served

Shortest Job Next

Round Robin

Summary

Ethical Issues: Medical Privacy: HIPAA

Key Terms

Exercises

Thought Questions