Contents

Chapter 4   Threads & Concurrency

Chapter 5   CPU Scheduling

PART THREE   ■   PROCESS SYNCHRONIZATION

Chapter 6   Synchronization Tools

Chapter 7   Synchronization Examples

Chapter 8   Deadlocks

Chapter 9   Main Memory

PART FOUR   ■   MEMORY MANAGEMENT

Chapter 10   Virtual Memory

PART FIVE   ■   STORAGE MANAGEMENT

Chapter 11   Mass-Storage Structure

Chapter 12   I/O Systems

PART SIX ■ FILE SYSTEM

Chapter 13   File-System Interface

Chapter 14   File-System Implementation

Chapter 15   File-System Internals

PART SEVEN ■ SECURITY AND PROTECTION

Chapter 16   Security

Chapter 17   Protection

PART EIGHT ■ ADVANCED TOPICS

Chapter 18   Virtual Machines

Chapter 19   Networks and Distributed Systems

PART NINE ■ CASE STUDIES

Chapter 20   The Linux System

Chapter 21   Windows 10

PART TEN ■ APPENDICES

Appendix A   Influential Operating Systems

Appendix B   Windows 7

Appendix C   BSD UNIX

Appendix D   The Mach System