



# CHAPTER 15

## LECTURE OUTLINE

### Computer Science Illuminated, Seventh Edition

Nell Dale, PhD; John Lewis, PhD

## Networks

### 15.1 Networking

Types of Networks

Internet Connections

Packet Switching

### 15.2 Open Systems and Protocols

Open Systems

Network Protocols

TCP/IP

High-Level Protocols

MIME Types

Firewalls

### 15.3 Network Addresses

Domain Name System

Who Controls the Internet?

### 15.4 Cloud Computing

### 15.5 Blockchain

### Summary

### Ethical Issues: The Effects of Social Networking

### Key Terms

### Exercises

### Thought Questions