

Syllabus outline: Managing Information Systems

	<p>6-7 Wireless and Mobile Networks 6-8 Wireless Security 6-9 Convergence of Voice, Video, and Data 7-1 The Internet 7-2 Navigational Tools, Search Engines, and Directories 7-3 Internet Services 7-4 Web Applications 7-5 Intranets 7-6 Extranets 7-7 The Web Trends 7-8 The Internet of Everything and Beyond 13-1 What Is Artificial Intelligence? 13-2 Expert Systems 13-3 Case-Based Reasoning 13-4 Intelligent Agents 13-5 Fuzzy Logic 13-6 Machine Learning 13-7 Genetic Algorithms 13-8 Natural-Language Processing 13-9 Integrating AI Technologies into Decision Support Systems 13-10 Contextual Computing: Making Mobile Devices Smarter 13-11 AI and Automation 13-12 Ethical issues of AI</p>	<p>Chapter 7: A Connected World</p> <p>Chapter 13: Artificial Intelligence and Automation</p>
<p>Learning Outcome 4: Understand managing and controlling information systems and security of information systems.</p>		
<p>Management, Monitoring and control of information systems</p>	<p>4-1 Privacy Issues 4-2 Ethical Issues of Information Technologies 4-3 The Impact of Information Technology in the Workplace 4-4 Green computing 5-1 Risks Associated with Information Technologies 5-2 Computer and Network Security: Basic Safeguards 5-3 Security Threats: An Overview 5-4 Security Measures and Enforcement: An Overview 5-5 Guidelines for a Comprehensive Security System</p>	<p>Chapter 4: Personal, Legal, Ethical, and Organizational Issues</p> <p>Chapter 5: Protecting Information Resources</p>
<p>Learning Outcome 5: Understand the workings and use of a variety of information systems</p>		
<p>Using Information technology, accounting and other information systems</p>	<p>8-1 Defining E-Commerce 8-2 Major Categories of E-Commerce 8-3 B2C E-Commerce Cycle 8-4 B2B E-Commerce: A Second Look 8-5 Mobile and Voice-Based E-Commerce 8-6 E-Commerce Supporting Technologies 8-7 E-Commerce and Beyond: Social Commerce</p>	<p>Chapter 8: E-Commerce</p>

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	<p>8-8 Hypersocial Organizations 8-9 Social Media Information Systems 12-1 Types of Decisions in an Organization 12-2 Decision Support Systems 12-3 Executive Information Systems 12-4 Geographic Information Systems 12-5 Collaboration Systems 12-6 Guidelines for Designing a Management Support System 14-1 Trends in Software and Service Distribution 14-2 Virtual Reality 14-3 Cloud Computing: Foundation, Applications, and Models 14-4 Nanotechnology 14-5 Blockchain Technology and Cryptocurrency 14-6 Quantum Computing</p>	<p>Chapter 12: Supporting Decisions and Processes</p> <p>Chapter 14: Emerging Trends, Technologies, and Applications</p>
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<p>Practical and work competencies</p>
<ul style="list-style-type: none"> • Install a software program • Access information from the Internet and the World Wide Web • Use e-mail software • Access the CIPC website and other online services • Given a short case study, evaluate information processing and usage of IT in a business to determine risks and compliance with IT governance requirements • All case studies in the prescribed text

Not for examination: Chapters 9 and 11