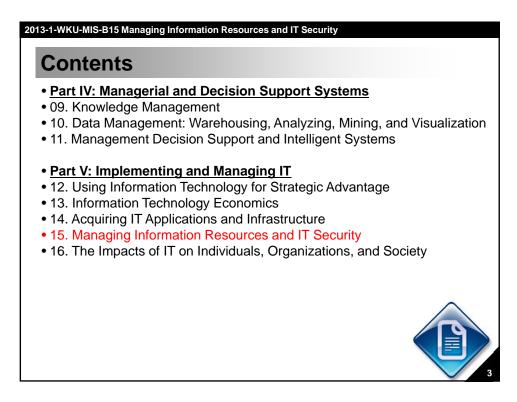
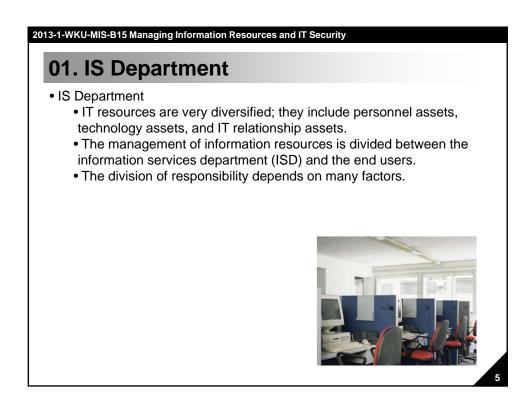


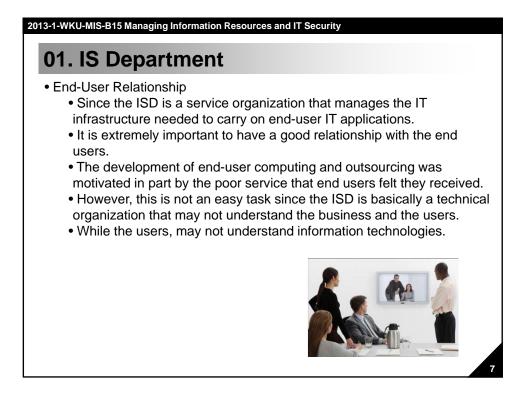
2013-1-WKU-MIS-B15 Managing Information Resources and IT Security
Contents
<ul> <li><u>Part I: IT in the Organization</u></li> <li>01. Strategic Use of Information Technology in the Digital Economy</li> <li>02. Information Technologies: Concepts and Management</li> </ul>
<ul> <li>Part II: The Web Revolution</li> <li>03. Network Computing, Discovery, Communication, and Collaboration</li> <li>04. E–Business and E–commerce</li> <li>05. Mobile, Wireless, and Pervasive Computing</li> </ul>
<ul> <li>Part III: Organizational Applications</li> <li>06. Transaction Processing, Functional Applications, CRM, and Integration</li> <li>07. Enterprise Systems: From Supply Chains to ERP to CRM</li> <li>08. Interorganizational and Global Information Systems</li> </ul>



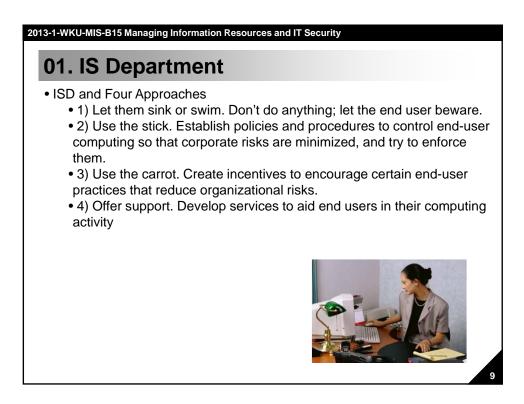
2013-1-WKU-MIS-B15 Managing Information Resources and IT Security
Learning Objectives
<ul> <li>01. Recognize the difficulties in managing information resources.</li> <li>02. Understand the role of the IS department and its relationships with end users.</li> </ul>
<ul> <li>03. Discuss the role of the chief information officer.</li> <li>04. Recognize information systems' vulnerability, attack methods, and the possible damage from malfunctions.</li> <li>05. Describe the major methods of defending information systems.</li> <li>06. Describe the security issues of the Web and electronic commerce.</li> <li>07. Describe business continuity and disaster recovery planning.</li> <li>08. Understand the economics of security and risk management.</li> <li>09. Describe the role of IT in supporting counterterrorism.</li> </ul>
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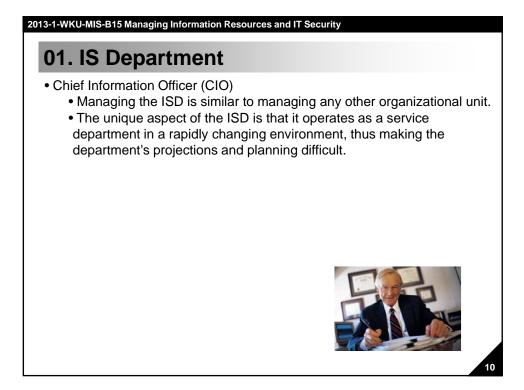


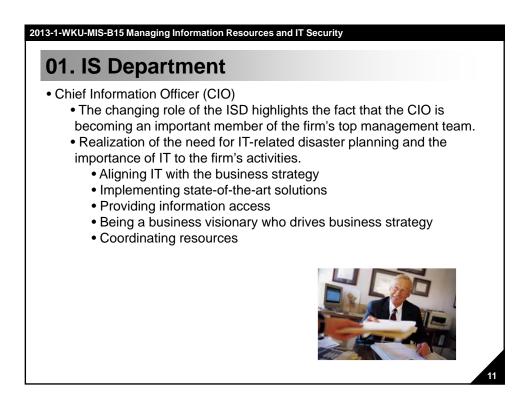
2013-1-WKU-MIS-B15 Managing Information Resources and IT Securit 01. IS Department	y
<ul> <li>IS Department</li> <li>The reporting relationship of the ISD is importance focus of the department.</li> <li>If the ISD reports to the accounting or finance tendency to emphasize accounting or finance expense of those in the marketing, productio</li> <li>The name of the ISD is also important.</li> <li>Data processing department. (DPD)</li> <li>Management information systems (MIS)</li> <li>Information systems department (ISD)</li> <li>Another important characteristic is the status</li> </ul>	e areas, there is often a a applications at the n, and logistics areas. department



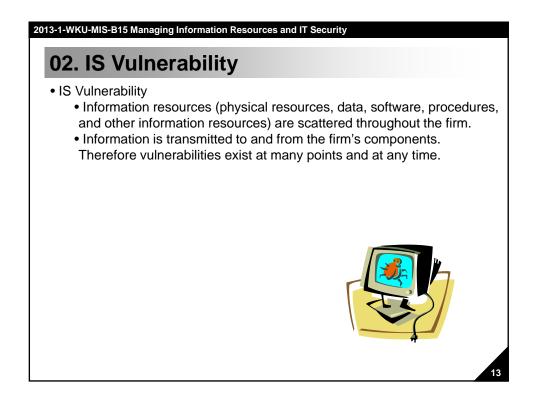
2013-1-WKU-MIS-B15 Managing Information Resources a	nd IT Security
01. IS Department	
<ul> <li>End-User Relationship</li> <li>To improve collaboration, the ISD a common arrangements:         <ul> <li>Steering committee</li> <li>Service-level agreements (SLA)</li> <li>Information center.</li> </ul> </li> </ul>	
	Service Level Agreement Checklist           Image: A start in the start i
	http://www.hipaacompliances.com

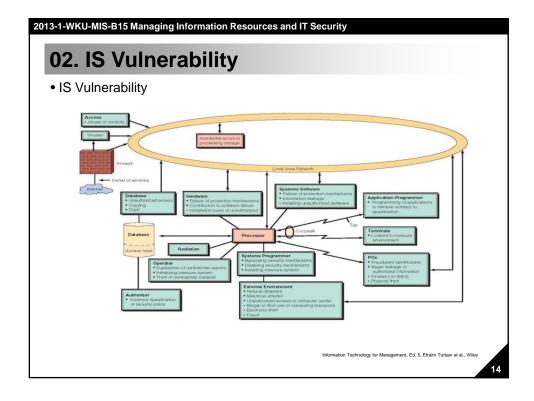




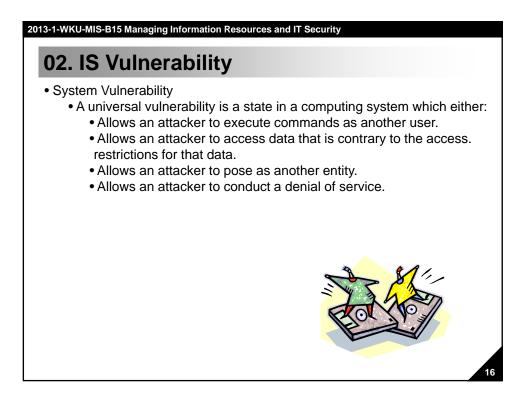


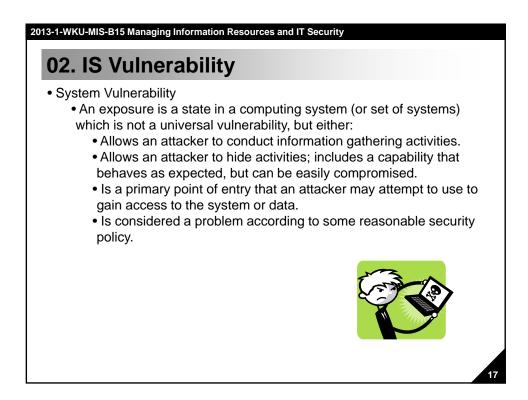
2013-1-WKU-MIS-B15 Managing Infor	mation Resources and IT S	Security	
<b>O1. IS Departm</b> • Transition Environment • Reverse • Registration • Persetter • Business and version • Business and version	TRANSITIONS TRECHTOCAURA * Standard * Standard	on Virtuel, global	
	Roles Development • Leadership • Business cas • Providing and chemonstrating business value • Structure • Virtual organizations • Sectoram •	ases nts	12

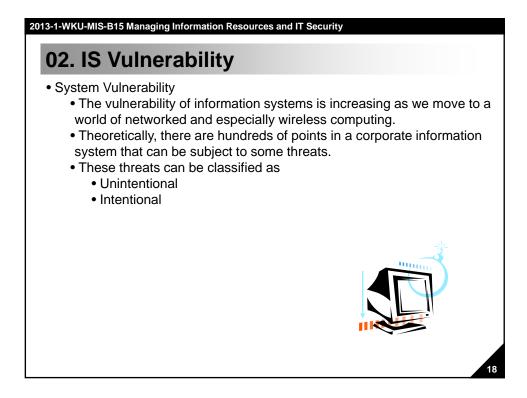


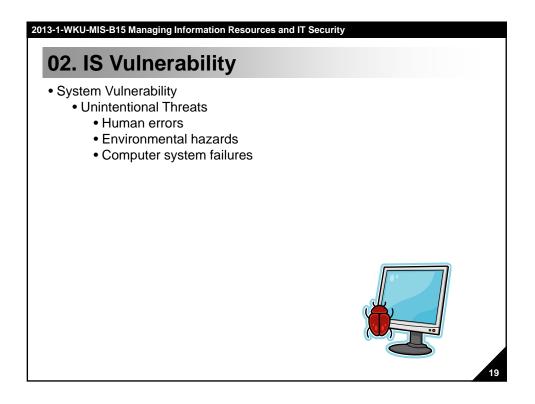


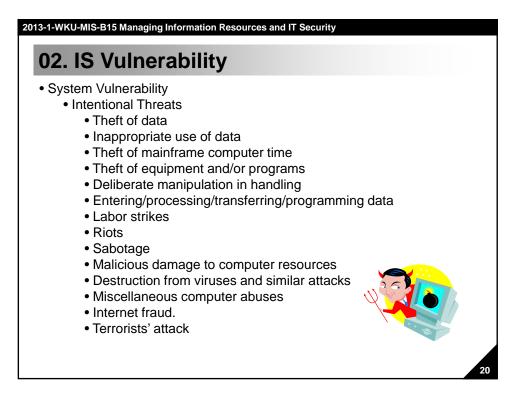
Backup     An extra copy of the data and/or programs, kept in a secured location(s).       Decryption     Transformation of scrambled code into readable data after transmission.       Encryption     Transformation of data into scrambled code prior to its transmission.       Exposure     The harm, loss, or damage that can result if something has gone wrong in an information system.       Fault tolerance     The ability of an information system to continue to operate (usually for a limited time and/or at a reduced level)
secured location(s). Decryption Transformation of scrambled code into readable data after transmission. Encryption Transformation of data into scrambled code prior to its transmission. Exposure The harm, loss, or damage that can result if something has gone wrong in an information system. Fault tolerance The ability of an information system to continue to operate
Decryption         Transformation of scrambled code into readable data after transmission.           Encryption         Transformation of data into scrambled code prior to its transmission.           Exposure         The harm, loss, or damage that can result if something has gone wrong in an information system.           Fault tolerance         The ability of an information system to continue to operate
transmission. Exposure The harm, loss, or damage that can result if something has gone wrong in an information system. Fault tolerance The ability of an information system to continue to operate
gone wrong in an information system. Fault tolerance The ability of an information system to continue to operate
Fault tolerance The ability of an information system to continue to operate
when a failure occurs.
Information system The procedures, devices, or software that attempt to ensure that the system performs as planned.
Integrity (of data) A guarantee of the accuracy, completeness, and reliability of data. System integrity is provided by the integrity of its components and their integration.
Risk The likelihood that a threat will materialize.
Threats (or hazards) The various dangers to which a system may be exposed. Vulnerability Given that a threat exists, the susceptibility of the system to

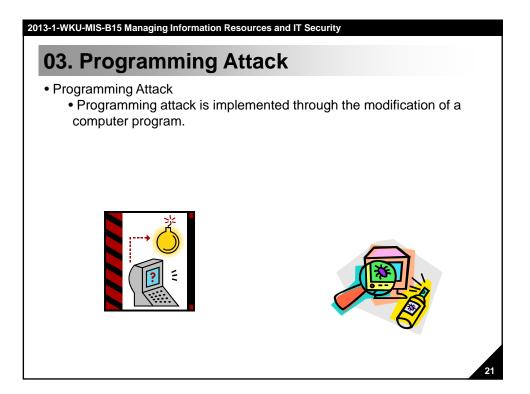




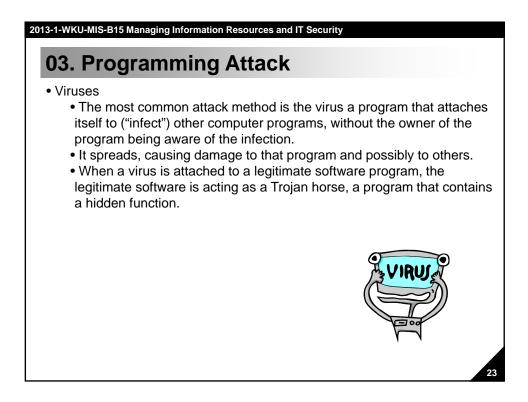








	gramming Attack on Computer Systems
Method	Definition
Virus	Secret instructions inserted into programs (or data) that are innocently run during ordinary tasks. The secret instructions may destroy or alter data, as well as spread within or between computer systems.
Worm	A program that replicates itself and penetrates a valid computer system. It may spread within a network, penetrating all connected computers.
Trojan horse	An illegal program, contained within another program, that "sleeps" until some specific event occurs, then triggers the illegal program to be activated and cause damage.
Salami slicing	A program designed to siphon off small amounts of money from a number of larger transactions, so the quantity taken is not readily apparent.
Superzapping	A method of using a utility "zap" program that can bypass controls to modify programs or data.
Trap door	A technique that allows for breaking into a program code, making it possible to insert additional instructions.
Logic bomb	An instruction that triggers a delayed malicious act.
Denial of service Sniffer	Too many requests for service, which crashes a Web site. A program that searches for passwords or content in a packet of data as they pass through
Shiner	A program that searches for passwords or content in a packet of data as they pass through the Internet.
Spoofing	Faking an e-mail address or Web page to trick users to provide information or send money.
Password cracker	A password that tries to guess passwords (can be very successful).
War dialing	Programs that automatically dial thousands of telephone numbers in an attempt to identify one authorized to make a connection with a modem; then someone can use that connection to break into databases and systems.
Back doors	Invaders to a system create several entry points; even if you discover and close one, they can still get in through others.
Malicious applets	Small Java programs that misuse your computer resources, modify your file, send fake e-mail. etc.



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03. Programming Attack
• Viruses
<ul> <li>A virus starts when a programmer writes a program that embeds itself in a host program.</li> <li>The virus is set off by either a lime immediate a set of circumstances, possibly a simple sequence of computer operations by the user. Then it does whatever the virus programmer intended, whether it is op mit have a nice day" or erase data.</li> </ul>
Information Technology for Management, Ed. 5, Efraim Turban et al., Wiley 24

