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This course provides computer technical information that goes beyond the basics for college educated students. It covers not only hardware and software but the new, emerging technology trends that affect computing and everyday life. Topics such as networks, data security, personal privacy, online safety, digital rights, and Internet usage will be addressed. There will be an emphasis on social and ethical issues for thought-provoking course discussions.

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Describe digital technology and devices
Explain input, output, processing, and storage
Explain digital data representation
List the principals of secure passwords

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Label the main components of a pc system
Describe expansion components and compatibility
Explain the tasks of the various memories in computers
List factors that affect microprocessor performance
Differentiate various disk storage criteria
Compare computing capabilities of various computers
Compare and contrast printers and monitors
List ways to protect your hardware

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Describe major software categories
Define operating system platforms and how they manage resources
List software shopping guidelines
Describe the rights granted for copyright laws and licenses
Explain how to install and uninstall software
Explain how security software works and use antivirus software

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Describe the significance of file format
Create valid names and paths for files
Compare the advantages and disadvantages of various backups
Implement a viable backup and restore plan

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Diagram the most common topologies
Explain the role of a

List security issues

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Identify digital media audio and video basics

Explain bitmap graphic file components

Explain how to adjust the file size of bitmap graphics

Identify the advantages and disadvantages of different digital media on the Web

List and define digital rights management technologies

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South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.