ITCT 114-A+ OPERATING SYSTEMS   3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

An introduction to installing, configuring, maintaining, upgrading, diagnosing, troubleshooting, and networking of recent and current personal computer operating systems. May be preparation for industry certification exams.

Prerequisites: ITCT 113

Semester Offered: Fall

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in…

BROAD AND SPECIALIZED LEARNING
Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING
Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT
Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION
Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY
Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES
Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to…

1. Identify operating system functions, structure, and major system files.
2. Navigate the operating system to obtain technical information.
3. Identify basic concepts and procedures for managing disks and file systems.

4. Identify the procedures for installing various recent and current operating systems to bring the software to a basic operational level.
5. Identify the steps necessary to perform system upgrades.
6. Identify and troubleshoot the boot sequence and device drivers.
7. Troubleshoot common operating system problems and error messages.
8. Configure operating systems to connect to a network and the Internet.
9. Troubleshoot basic networking problems.

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