

COCONINO COMMUNITY COLLEGE
COURSE OUTLINE

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Status: Permanent
Effective Term: Fall 2020

January 11, 2018
Fall 2019

A. Identification:

1. Subject Area: Computer Information Systems (CIS)
2. Course Number: 135
3. Course Title: Basic Operating System Fundamentals
4. Credit Hours: 4
5. Course Description: Prerequisite: CIS 130. This course will prepare students for the second of two CompTIA A+ exams. Focus will be on operating system functions, file concepts and procedures, OS installations, configuration and upgrading, boot system sequences, diagnosing and troubleshooting error messages, basic system network procedure and connections. Four credits lecture.

B. Course Goals: The objective of this course is to develop the skills required for basic OS installation and management. The student will be provided with extensive hands-on activities and lectures, which will be utilized to develop a knowledge base and comfort-level for performing system installations and configurations. This course will also prepare the student for the second of two CompTIA A+ (OS) exams.

C. Course Outcomes:

Upon successful completion of this course, students will be able to:

1. compare and contrast features of the Windows Operating Systems (OS) features;
2. install and maintain Windows OS;
3. identify common features and functionality of other operating systems and technologies;
4. identify common security threats and vulnerabilities;
5. effectively troubleshoot software;
6. explain operational procedures relating to the OS.

D. Course Outcomes Assessment:

Must include:

1. Exams and projects;
2. graded lab simulations.

E. Course Content:

Will include:

1. Operating system basics for desktop and mobile platforms, features, considerations and tools;
2. Basic OS security measures, concepts, protocols and scenarios;
3. Software installation and troubleshooting on both desktop and mobile platforms;
4. Operational procedures, disaster prevention/recovery, safety, licensing, professionalism and basic understanding of scripting.