

COCONINO COMMUNITY COLLEGE
COURSE OUTLINE

Prepared by: Jeff Rhode

April 21, 1998

Revised by: Jeff Rhode

November 19, 1999

Revised by: Peter Brackett and Dave Bowman

July 24, 2002

Revised by: Peter Brackett and Dave Bowman

December 2, 2004

Revised by: D. Bowman

Fall 2004

Reviewed by: D. Bowman

Fall 2010

Revised by: Bill Branch

December 21, 2016

Status: Permanent

Effective Term: Fall 2017

A. Identification:

1. Subject Area: Computer Information Systems (CIS)
2. Course Number: 230
3. Course Title: Implementing and Supporting Windows
4. Credit Hours: 4
5. Course Description: This course is aligned with Microsoft Certified Professional certification 70-698 Installing and Configuring Windows 10. 70-698 is one of two exams towards the Microsoft Certified Solutions Associate and one of four exams towards the Microsoft Certified Solutions Expert. This course focuses on the skills necessary to enter IT employment or further education and training in Windows administration: installing, configuring, customizing, optimizing and troubleshooting current Microsoft Windows client operating systems. Prerequisite: CIS 130 or Consent of Instructor. Four lecture.

B. Course Goals: To develop the skills needed to administer Windows client in a variety of business environments. Designed for students either currently working or wishing to work in the information technology field.

C. Course Outcomes:

Upon successful completion of this course, student will:

1. prepare for installation requirements;
2. install Windows;
3. configure devices and device drivers;
4. perform post-installation configuration;
5. implement Windows in an enterprise environment;
6. configure and support core services;
7. configure networking and security;
8. configure storage;
9. configure data access and usage;
10. implement apps;
11. configure remote management;
12. configure updates;
13. monitor Windows environments;
14. configure system and data recovery;
15. configure authorization and authentication;
16. and configure advanced management tools.

D. Course Outcomes Assessment will include:

1. self-assessment chapter quizzes;
2. web based chapter exams;
3. hands-on lab assessment for each applicable chapter;
4. web final exam covering material from the entire semester;
5. final practical exam;
6. pre-post test;
7. and practical final exam (configuring the client).

E. Course Content will include:

1. hardware requirements;
2. windows client deployment;
3. system architecture;
4. windows user interface;
5. user and system profiles;
6. windows integration with various business environments;
7. system resource management;
8. the registry settings;
9. and conflict resolution and troubleshooting.