COCONINO COMMUNITY COLLEGE
COURSE OUTLINE

Prepared by: Bill Branch   December 21, 2016
Status: Permanent
Effective Term: Fall 2017

A. Identification:
    1. Subject Area: Computer Information Systems (CIS)
    2. Course Number: 235
    3. Course Title: Configuring Windows Devices
    4. Credit Hours: 4
    5. Course Description: This course is aligned with Microsoft Certified Professional certification 70-697
        Configuring Windows Devices. 70-697 is one of two exams towards the Microsoft Certified Solutions
        Associate (MCSA) and one of four exams towards the Microsoft Certified Solutions Expert(MCSE).
        This course focuses on the skills necessary to enter IT employment or further education and training in
        Windows device administration and cloud computing: plan and manage devices and applications in a
        local, remote and/or cloud computing environment. Prerequisite: CIS 130 or CIS 230 or Consent of
        Instructor. Four lecture. Fall, Spring.

B. Course Goals: To develop the skills needed to administer Windows devices from desktops to mobile
    devices in a variety of business environments including cloud and virtual 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.   support cloud apps, Intune and Azure;
    2.   support authentication and authorization;
    3.   plan desktop and device deployment;
    4.   migrate and configure user data;
    5.   plan and configure Hyper-V;
    6.   implement a MS Intune device management solution including mobile devices;
    7.   configure and support mobile devices including mobile device security;
    8.   plan, deploy and manage devices and software updates by using Microsoft Intune;
    9.   plan and configure networking settings: IP settings, TCP/IP protocols and network access security;
    10. support data storage and DFS structure;
    11. implement and support data security: Permissions, dynamic access controls, encrypted file systems, data
         recovery and BitLocker;
    12. plan, configure and manage data access and protection for shared resources;
    13. configure remote connections: Remote desktop, VPNs and broadband tethering;
    14. configure mobility options;
    15. deploy and manage Azure RemoteApp and GPOs for signed packages;
    16. support desktop apps with Application Compatibility Toolkit (ACT);
    17. configure system recovery and file recovery;
    18. and configure and manage updates.

D. Course Outcomes Assessment will include:
    1.   course grades determined by the instructor as outlined in the course syllabus;
    2.   self-assessment chapter quizzes;

3.	web based chapter exams;
4.	hands-on lab assessment for each applicable chapter;
5.	web final exam covering material from the entire semester;
6.	and final practical exam.

E.	Course Content will include:
1. Cloud computing;
2. Microsoft tools: RemoteApp, InTune, Azure;
3. desktop computers;
4. mobile devices;
5. ID management and data security;
6. network access;
7. VPN;
8. data management;
9. Cloud based user and system profiles;
10. and resolution and troubleshooting.