

**CS 80.11 Course Outline as of Summer 2017****CATALOG INFORMATION**

Dept and Nbr: CS 80.11 Title: EXPLORING MS WINDOWS

Full Title: Exploring Microsoft Windows

Last Reviewed: 5/8/2017

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	4	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade or P/NP

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: CIS 50.91

**Catalog Description:**

Introduces the student to the basics of working with Microsoft Windows. Topics covered will include: defining a Graphical User Interface (GUI), installing Windows, the Windows desktop, My Computer, Windows Explorer, using Windows applications, and using DOS (Disk Operating System) applications under Windows.

**Prerequisites/Corequisites:**

Course Completion of CS 101B or CS 105B or CS 5

**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: Introduces the student to the basics of working with Microsoft Windows. Topics covered will include: defining a Graphical User Interface (GUI), installing Windows, the Windows desktop, My Computer, Windows Explorer, using Windows applications, and using DOS (Disk Operating System) applications under Windows. (Grade or P/NP)

Prerequisites/Corequisites: Course Completion of CS 101B or CS 105B or CS 5

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Fall 1995	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of the class, the student will be able to:

1. Identify the major functions of operating system software and compare differences between Windows XP and earlier Windows versions.
2. Customize elements of the Windows graphical user interface, including the Desktop and Start menu.
3. Create and navigate the folder structure of a disk, search for folders and files, and organize files efficiently by folder.
4. Compare and contrast the features and efficacy of the File Allocation Tables (FAT 16, FAT 32) and NTFS (New Technology File System).
5. Create shortcuts and customize shortcut paths for system tools, applications, folders, files on a local or network computer as well as create shortcuts to web sites.
6. Create compound documents using OLE (object linking and embedding) and use the OLE properties of the taskbar and other objects to work more efficiently.
7. Use disk analysis repair and defragmenting utilities to optimize the hard disk.
8. Work with tools for safeguarding and restoring a computer, such as boot disks and the System Restore utility.
9. Examine different Windows boot options, and use the System Configuration Utility to evaluate and determine which background programs to load during booting.
10. Use System Monitor to evaluate the performance and memory usage of a work session and identify performance problems.
11. Examine how to install and upgrade software, install and uninstall hardware, and use Device Manager to document hardware settings and identify and troubleshoot hardware problems.

### **Topics and Scope:**

1. Microsoft Windows
  - a. Operating system features and functions

- b. Comparison with MS-DOS operating system
- 2. The Windows Graphical User Interface
  - a. The Windows desktop and desktop components
  - b. Using an object-oriented operating system and applications
  - c. Navigating a computer's disk and folder structure
  - d. Drive names, folder names, and filenames
  - e. Working with registered files
  - f. Organizing files into folders
- 3. Customizing Windows
  - a. Customizing the desktop, taskbar, and start menu
  - b. Customizing and creating toolbars
  - c. Desktop resolution, color settings, and refresh rate
  - d. Power management settings
- 4. Windows file systems
  - a. NTFS
  - b. FAT 32
  - c. FAT 16
- 5. Shortcuts
  - a. Concept and use of the path
  - b. Creating and customizing shortcuts
  - c. Customizing the Start menu and Send To menu
- 6. Object linking and embedding (OLE)
  - a. Concept and use of object linking and embedding
  - b. Creating compound documents
  - c. Using OLE properties of Windows
- 7. Optimizing disks with Disk Cleanup, Check Disk, and Disk Defragmenter utilities
- 8. Safeguarding your computer
  - a. Using the BIOS (basic input/output system) setup utility
  - b. Overview of boot disks, startup disks, setup disks, and other features for repairing, troubleshooting, and restoring a computer
  - c. System restore utility and Windows firewall
- 9. Troubleshooting tools
  - a. Using Windows task manager
  - b. Using the system configuration utility to control the loading of background programs
  - c. Using boot options on the Windows XP advanced options menu
- 10. Evaluating system performance
  - a. Concept and use of virtual memory and paging
  - b. Using system monitor to evaluate memory usage
- 11. Installing and uninstalling software
  - a. Installing and upgrading Windows
  - b. Installing and uninstalling applications and Windows components
- 12. Installing and troubleshooting hardware
  - a. Plug-and-Play vs. legacy hardware
  - b. Installing and uninstalling hardware
  - c. Hardware resources and ports
  - d. Using Device Manager to document hardware and troubleshoot hardware problems

### **Assignment:**

- 1. Weekly reading of approximately 40 pages from the text book
- 2. Weekly lab assignments which include tutorials, tutorial assignments, and case problems
- 3. One to two midterms and a final exam

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments are more appropriate for this course.

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Tutorial assignments and case problems

Problem solving  
35 - 65%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

Exams: multiple choice, true false, matching items, completion

Exams  
35 - 65%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

None

Other Category  
0 - 0%

## Representative Textbooks and Materials:

"Microsoft Windows XP For Power Users" by Harry Phillips, Thomson/Course Technology, Inc., 2003.

Instructor prepared materials