CIS 51.12 Course Outline as of Spring 2009

CATALOG INFORMATION

Dept and Nbr: CIS 51.12   Title: WINDOWS COMMAND LINE
Full Title: Windows Command Line/Microsoft DOS
Last Reviewed: 9/29/2008

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	8	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:

Catalog Description:
This course will provide the student with a detailed understanding of the workings of Microsoft Command Line and the DOS environment using the Windows command shell. The material in this course will form a foundation of knowledge that can be expanded on by further study and experience with the UNIX/LINUX, Microsoft Windows and Cisco operating systems. The skills and knowledge gained from this class form a crucial foundation for aspiring IT professionals and anyone interested in furthering their computer networking or Information Communications Technology career.

Prerequisites/Corequisites:
Course Completion of CS 80.11 (or CIS 50.91 or CIS 84.95)

Recommended Preparation:
Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Schedule of Classes Information:
Description: This course will provide the student with a detailed understanding of the workings of Microsoft Command Line and the DOS environment using the Windows command shell. The

material in this course will form a foundation of knowledge that can be expanded on by further study and experience with the UNIX/LINUX, Microsoft Windows and Cisco operating systems. The skills and knowledge gained from this class form a crucial foundation for aspiring IT professionals and anyone interested in furthering their computer networking or Information Communications Technology career. (Grade or P/NP)
Prerequisites/Corequisites: Course Completion of CS 80.11 (or CIS 50.91 or CIS 84.95)
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:

			Effective:	Inactive:
AS Degree:	**Area**		Effective:	Inactive:
CSU GE:	**Transfer Area**		Effective:	Inactive:
IGETC:	**Transfer Area**		Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Spring 2009	Inactive: Fall 2015
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:
Not Certificate/Major Applicable

COURSE CONTENT

Outcomes and Objectives:
Upon completion of this course, students will be able to:
1. Explain the purpose, nature and operation of the Disk Operating System (DOS).
2. Describe the purpose and procedure for using DOS file and disk commands within the command line shell.
3. Summarize the processes of formatting diskettes and drives.
4. Differentiate between internal and external DOS commands.
5. Differentiate between program files, data files and subdirectories.
6. Design and implement a consistent file, directory and disk management strategy.
7. Describe the elements in the Registry file structure and differentiate between various methods of editing the Registry.
8. Validate protective operating system practices.
9. Validate batch files in an interactive processing environment.
10. Summarize the methods of managing the boot process, memory and system configuration.
11. Experiment with a basic peer-to-peer network with drive, folder and printer sharing.

Topics and Scope:

I.   Microcomputer Systems
    A. Hardware
    B. Software
    C. Operating System

II.   Command Syntax - DIR command with parameters and wildcards
III. Disk and Formatting
    A. Structure of a disk
    B. High-density disks and disk drives
    C. Function and purpose of formatting a disk
    D. Formatting a disk
    E. Bootable and nonbootable disks
    F. Creating a bootable disk
IV. Files and Directories
    A. Program files
    B. Data files
    C. Subdirectories
V. Commands
    A. Internal commands
    B. External commands
VI. Command Editors - MS-DOS Text Editor
VII. Hard Disk Management - structure and organization
VIII.Advanced Commands
    A. Pipes
    B. Filters
    C. Redirection
IX. Batch Files
    A. Simple
    B. Complex
X. Basic System Functions
    A. Memory
    B. Boot Process
    C. System Configuration
XI. System Protection
    A. Back-ups
    B. Registry settings
XII. Networking Connectivity
    A. Local Area Networks (LANs) and Wide Area Networks (WANs)
    B. Peer-to-peer networking
    C. Sharing resources
    D. Drive mapping
    E. TCP/IP (transmission control protocol/Internet protocol)overview
    F. TCP/IP utilities interface with the Internet

Assignment:

Reading assignments may include:
1. Online research of scripting examples and implementation practices
2. Approximately 40 pages weekly from the textbook

Homework problems may include
1. Hands-on exercises to demonstrate proficiency with each topic
2. Online quizzes
3. Creation of scripts

Other assignments may include:
1. Objective examinations and quizzes

2. Skill demonstration examinations
3. Classroom scenario based exercises

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 and skill demonstrations 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.

| Homework problems | Problem solving
15 - 30% |
| --- | --- |

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

| Class performance exam and effective script writing | Skill Demonstrations
20 - 30% |
| --- | --- |

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

| Multiple choice, True/false, Matching items, Completion, Exams | Exams
20 - 30% |
| --- | --- |

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

| Attendance and participation in scenario based exercises | Other Category
10 - 25% |
| --- | --- |

Representative Textbooks and Materials:
Windows XP: Command Line. Gillay, Carolyn Z. Franklin Beedle & Associates: 2005