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Date Prepared: Spring 2002

Computer Science (COSC) 2000 Computer Operating Systems (1.5 Units) CSU
[formerly Computer Science 42D]

Advisory: Eligibility for English 1000 and Reading 1005 strongly recommended

Total hours: 16 hours lecture, 24 hours lab (40 hours total)

Catalog Description: This course is designed for students planning to enter computer science. It will include demonstrations, lectures, problem assignments and hands-on experience troubleshooting a computer. The emphasis will be placed on the Microsoft Windows 2000 Operating System and its relationship to computer hardware components. Other operating systems will be explored.

Type of class/course: Degree credit

Text: Parson, Oja, Carey, and Carey. Microsoft Windows 2000 Professional Comprehensive. Course Technology, 2000.

Course Objectives:

By the end of the course, a successful student will be able to:

1.   differentiate between various types of operating systems,
2.   manage and explain the user interface,
3.   explain the function of the desktop,
4.   modify the settings files,
5.   troubleshoot the control panel,
6.   navigate through a directory structure,
7.   identify individual computer componets, and
8.   troubleshoot Win2000 registry.

Course Scope and Content:

Unit I   Computer Basics – Fundamentals of Using Windows2000

Unit II   Working with the Windows 2000 Desktop

Unit III   Organizing File, and Folder Management in Win2000

Unit IV   Modifing Your Desktop Enviroment

Unit V   Searching for Information

Unit VI   Understanding the Control Panel

Unit VII   Working with Hardware

Unit VIII   Exploring Your Network

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 3 hours per week outside of the regular class time doing the following:

1.   Reading trade and informational magazines.
2.   Practicing skills with a computer
3.   Answering assigned questions

Methods of Instruction:

1.   Lecture, demonstration, class discussion, and problem solving.
2.   Assigned reading from the texts and references.
3.   Assigned problems from the texts.

Methods of Evaluation:

1.   Computational or non-computational problem-solving demonstrations,
             including:
         a.   Exams
         b.   Quizzes
         c.   Hands on demonstration

2.   Other examinations, including:
         a.   Multiple choice
         b.   True/false
         c.   Completion