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Computer Science (COSC) 1000 Introduction to Computers (1Unit)
[formerly Computer Science 55]

Advisory: Eligibility for English 1000 and Reading 1005 strongly recommended.

Total hours: 8 hours lecture; 24 hours lab (32 hours total)

Catalog description: This course is a basic introduction to computer technology. It is intended for students with limited or no familiarity with computer use and technology. Students will become familiar with computer hardware and software through lecture, discussion, and hands on activities in the classroom during focused segments of instruction. The course content is presented in a classroom environment as well as via a textbook and interactive CD ROM.

Type of class/course: Degree Credit

Text: Parsons and Oja. Practical Computer Literacy. 2nd ed. Thomson:Course Technology, 2010.

Additional instructional materials: USB Flash Drive

Course Objectives:

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

1. set up a computer,
2. use windows controls,
3. download and install software from the internet,
4. create and save files,
5. find files,
6. use windows backup,
7. set up an internet connection,
8. create a web page,
9. use e-mail address book,
10. install and select printers,
11. make slides for an effective presentation,
12. make a CD,
13. edit a digital photo,
14. work with digitized sound,
15. change display settings,
16. find the technical specifications for a PC,
17. get technical support, and
18. buy a computer online.

Course Scope and Content:

Unit I	Introduction
Unit II	PC Basics
Unit III	Computer Files
Unit IV	The Internet, the Web, and E-mail
Unit V	Application Software
Unit VI	Graphics, Sound and Video
Unit VII	Upgrades and Expansion

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 2 hours per week outside of the regular class time doing the following:

1. Studying
2. Answering questions
3. Skill practice
4. Completing required reading
5. Problem solving activity or exercise
6. Written work

Methods of Instruction:

1. Lecture, demonstration, class discussion, and problem solving.
2. Assigned reading from the texts and CD.
3. Assigned problems from the text and CD.
4. Project assignments to be handed in by the students.

Methods of Evaluation:

1. Computational or non-computational problem-solving demonstrations, including:
 - a. Exams
 - b. Homework problems
 - c. Quizzes
2. Other examinations, including:
 - a. Multiple choice
 - b. True/false
 - c. Completion
 - d. Using software tools in class