UNIFORM COURSE SYLLABUS FOR CS 101 – INTRODUCTION TO COMPUTING

PREREQUISITE: Math 021, Eng 091, Read 079, or consent

CREDIT HOURS: 3.0

COURSE DESCRIPTION:

This course is designed to help students acquire the knowledge needed to function in the information society. Such as areas as microcomputer skills, electronic mail, use of the Internet and social/ethical issues will be addressed.

I. OBJECTIVES:

By the end of the course, students should:

1. Be able to identify the essential physical components of a computer system and know how these components relate to each other.

2. Understand the role of the opening system and be able to utilize it productively.

3. Be able to apply word processing, electronic spreadsheet and database software to a variety of problems.

4. Understand the basic logic structures used in computer software.

5. Have an understanding of the process used to evaluate commercial software.

6. Understand and be able to utilize electronic mail, the Internet, and other related networking concepts.

7. Be aware of the social and ethical issues tied to the information society, such as privacy, corporate property, licensing, copyright and job displacement.

8. Have a strategy for managing change in a fast-moving world.

II. COURSE TOPICS:

Introduction to Computers

Computer Hardware

Using the Operating System

Word Processing

Spreadsheets

Database Management

E-Mail/Internet

Software Logic Patterns

Ethical/Social Issues

Managing Change

III. SPECIAL REPORTS

The hope is that concepts such as e-mail, Internet, managing change, social/ethical issues and logic patterns can be learned within the context of the traditional microcomputer applications packages. Also, at least one project should be linked to the major of the student. For example, an education major could search the internet for particular information about education, then integrate that information into a word processing or spreadsheet report. The Internet could also be used as a method of researching ethical and social issues.

IV. METHODS OF STUDENT EVALUATION:

Tests

Application Projects

V. ASSESSMENT OF OUTCOMES:

80% of students will pass all items in IV at the C level or above

VI. OTHER INFORMATION

Not applicable

12/03