

Date Prepared: August 10, 2001

New Revised
(*Check One*)

Effective Date: Fall 2001

COURSE OUTLINE

1. COURSE PREFIX and NUMBER: **CSC 155** CREDIT HOURS: 3

2. COURSE TITLE: **Computer Concepts and Applications**

3. PREREQUISITES: None

4. COURSE DESCRIPTION: Introduces basic hardware and software concepts of computer usage programming languages and the computer's impact on society. Includes applications of various types of software to illustrate how computers are used in sciences, social sciences, humanities, and education. Covers the use of an operating system, word processing, spreadsheets, e-mail, library access, database access and retrieval, presentation graphics and the Internet.

5. CONTENT: (Major Headings)

- a. Introduction to basic hardware.
- b. Introduction to software, operating systems, and applications for academic disciplines.
- c. Concepts of computer usage.
- d. Computer's impact on society.
- e. Hands on experience with: operating systems, word processing, spreadsheets, databases, communications (use with academic research), and presentation graphics.
- f. An introduction to programming languages.

6. GENERAL COURSE OBJECTIVES:

Upon successful completion of the course, the student will be able to:

- a. Understand basic hardware.
- b. Understand software, both operating systems and applications.
- c. Be familiar with the concepts of computer usage and programming languages.
- d. Understand the computer's impact on society.
- e. Have hands-on experience with Windows, work processing, spreadsheets, databases, presentation graphics and communications (Internet and World Wide Web).