Date Prepared: August 17, 2001

☐ New ☒ Revised
(Check One)

Effective Date: Fall 2001

COURSE OUTLINE

1. COURSE PREFIX and NUMBER: **CSC 205** CREDIT HOURS: 4

2. COURSE TITLE: **Computer Organization**

3. PREREQUISITES: CSC 202

4. COURSE DESCRIPTION: Examines the hierarchical structure of computer architecture. Focuses on multi-level machine organization. Uses a simple assembler language to complete programming projects. Includes processors, instruction, execution, addressing techniques, data representation and digital logic.

5. CONTENT: (Major Headings)

   a. Registers
   b. Instruction set issues
   c. Representation of data, data storage, and processing
   d. Subprograms, parameter passing, and macros
   e. Control operations

6. GENERAL COURSE OBJECTIVES:

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

   a. Create a series of assembly language programs.
   b. Study registers, instruction sets, interrupts, and I/O.
   c. Examine logical, arithmetic, and control operations.
   d. Understand macros and subprogram development.