



**COMMON COURSE OUTLINE: Course discipline/number/title: COMP 2233: Structured COBOL Programming**

**A. CATALOG DESCRIPTION**

- 1. Credits: 4**
- 2. Hours/Week: 4**
- 3. Prerequisites (Course discipline/number):** Successful completion of COMP 1150, college level reading.
- 4. Co-requisites (Course discipline/number):** None
- 5. MnTC Goals (if any):** NA

An in depth study of structured program design utilizing the COBOL language. Topics include structured design, sequential file processing, direct file processing, data organization, database manipulation, and report writing. **RECOMMENDED ENTRY/SKILLS KNOWLEDGE:** Students must understand basic concepts of data storage and data manipulation, have an elementary understanding of pseudo code, know the definition of an algorithm, know the fundamental properties of a high level programming language.

**B. DATE LAST REVISED (Month, year):** April, 1997

**C. OUTLINE OF MAJOR CONTENT AREAS:**

1. Structured Design Techniques
2. Modular Program Design
3. Sequential File Processing

**D. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Design and document algorithms.
2. Write and modify programs in the COBOL language.
3. Compile, link, and execute a program.
4. Test and debug a COBOL program.
5. Process files in the COBOL language.
6. Implement a binary search.

**E. LEARNING OUTCOMES (MNTC):** NA

**F. METHODS FOR EVALUATION OF STUDENT LEARNING:**

**G. SPECIAL INFORMATION (if any):** None