MISSOURI WESTERN STATE COLLEGE
DIVISION OF LIBERAL ARTS AND SCIENCES

DEPARTMENT OF COMPUTER SCIENCE, MATHEMATICS, AND PHYSICS

COURSE NUMBER: CSC 345
COURSE NAME: Advanced COBOL Applications
COURSE DESCRIPTION:

Application programming emphasizing sequential and indexed sequential
file maintenance,multi—level indexed and subscripted tables, error
routines, and subroutines. Structured techniques, programming style, and
program maintainability are stressed.

PREREQUISITE:
CSC 245 with grade of C or better.

TEXT:
Cobol for the 21st Century, Edition 11, Nancy B. Stern, Robert A. Stern,
James P. Ley, ISBN 9780471722618, Publication Date 7-5-2005.

COURSE OBJECTIVES:

To advance the student's knowledge of the COBOL language by covering
advanced topics and stressing programmer efficiency.

COURSE OUTLINE:
I. Data Validation as Review
11. Multidimension Tables
        A. Subscripting
        B. Indexing
        C. Double and Triple Level Occurs Clauses
III. Error—Routine Handling
IV. Disk Operations
        A. Sequential Access
        B. Indexed-Sequential Processing
        C. Tape File Differences
        D. Relative Files
                1. Sequential Processing
                2. Random Access
V. SORT Feature
VI. Subprograms