

CS 3600 : COBOL PROGRAMMING

<i>Semester Hours:</i>	3.0	<i>Contact Hours:</i> 3
<i>Coordinator:</i>	Ronald Conway	
<i>Text:</i>	Cobol for the 21st Century	
<i>Author(s):</i>	STERN, STERN, LEY	
<i>Year:</i>	2002	

SPECIFIC COURSE INFORMATION

Catalog Description:

COBOL programming language and techniques for use; report generation; table handling; sorting; sequential and random-access data files; debugging techniques; COBOL standards.

Prerequisite: Grade of C or better in CS 1010 or CS 2010.

Course type: **SELECTED ELECTIVE**

SPECIFIC COURSE GOALS

- I can demonstrate a working knowledge of the COBOL Programming Language.
- I can explain the differences between ANSI COBOL '85 Standard syntax and '74 (and earlier) Standard syntax.
- I can write or modify a COBOL program to READ or WRITE flat data files and create print files.
- I can write or modify a COBOL program to perform two file matching logic to process transaction records against a master file and create an updated master file as output.
- I can write or modify a COBOL program to use the internal SORT either USING an input file and output file or with INPUT and OUTPUT procedures.
- I can write or modify a COBOL program to build or update an INDEXED file.
- I can write or modify a COBOL program as a subroutine or call a subroutine from a COBOL program.
- I can write or modify a COBOL program to create reports using the built in REPORT WRITER feature.

LIST OF TOPICS COVERED

- Introduction to COBOL
- Decision statements (IF and EVALUATE)
- Repetition statements (PERFORM statement in several formats)
- One-level and two-level tables
- File organization (sequential, indexed and direct access files)
- File operations (SORT, MERGE, Updating)
- Miscellaneous topics (subprograms, COPY, STRING, etc.)
- Report Writer