

LSC Use Only
Number: _____
Submission Date: _____
Action-Date: _____

UWUCC USE Only
Number: 99-179
Submission Date: 9/21/99
Action-Date: UWUCC App 9/21/99
Senate App 2/29/00

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. CONTACT

Contact Person Elizabeth M. Pierce Phone 5773

Department MIS and Decision Sciences

II. PROPOSAL TYPE (Check All Appropriate Lines)

COURSE Business Applications in COBOL
Suggested 20 character title

New Course * _____
Course Number and Full Title

Course Revision IM 255 Business Applications in COBOL
Course Number and Full Title

Liberal Studies Approval + _____
for new or existing course Course Number and Full Title

Course Deletion _____
Course Number and Full Title

Number and/or Title Change _____
Old Number and/or Full Old Title

_____ New Number and/or Full New Title

Course or Catalog Description Change _____
Course Number and Full Title

PROGRAM: Major Minor Track

New Program * _____
Program Name

Program Revision * _____
Program Name

Program Deletion * _____
Program Name

Title Change _____
Old Program Name

_____ New Program Name

III. Approvals (signatures and date)

Elizabeth M. Pierce
Department Curriculum Committee

Louise B. Berkley
Department Chair

Thomas D. Walsh
College Curriculum Committee

Paul C. Camp
College Dean

+ Director of Liberal Studies (where applicable)

*Provost (where applicable)

Part II Description of the Curriculum Change

1. New syllabus of record, including catalog description with course title, number of credits, prerequisites and an appropriately written course description.

Syllabus of Record: IM 255 Business Applications in COBOL

I. Catalog Description

IM 255 Business Applications in COBOL

3 credits
3 lecture hours
0 lab hours
(3c-0l-3sh)

Prerequisites: AG 201 Principles of Accounting I and IM 205 Foundations of MIS

Introduces the student to the COBOL programming language as it applies to business organizations and their applications. Structured COBOL concepts and methods are taught as the student learns how to solve business problems using computers. The student will be involved using files, reports, and tables to produce a variety of outputs utilized in operating and managing business activities.

II. Course Objectives:

By the end of this course, student will be able to:

- Understand the capabilities of the computer and the COBOL programming language as it applies to business applications.
- Understand COBOL syntax and statement format.
- Understand with "hands-on" familiarity a COBOL edit and debugging facility.
- Interpret and correct program errors.
- Understand the purpose of the COBOL compiler and obtain working knowledge of how to compile and execute program.
- Design and code programs of intermediate complexity, including control break processing and array handling.
- Understand structured programming methodologies.
- Analyze business processing problems and apply COBOL programs as the solutions to those problems.
- Understand the basic principles of programming so they may be applied utilizing other software facilities.

III. Detailed Course Outline

A. THE BASICS

(15 hours)

1. An Introduction to Structured Program Design in COBOL
2. The IDENTIFICATION and ENVIRONMENT DIVISIONs
3. COBOL Format, Syntax and Compilation
4. The DATA DIVISION
5. Working Storage, Value Clause
6. Coding Complete COBOL Programs: The PROCEDURE DIVISION

- B. DESIGNING STRUCTURED PROGRAMS** (15 hours)
7. Designing and Debugging Batch and Interactive COBOL Programs
 8. Moving Data, Printing Information, and Displaying Output Interactively
 9. Computing in COBOL: The Arithmetic Verbs and Intrinsic Functions
 10. Decision Making Using the IF and EVALUATE Statements
 11. Iteration: Beyond the Basic PERFORM
- C. WRITING HIGH-LEVEL COBOL PROGRAMS** (12 hours)
12. Control Break Processing
 13. Data Validation
 14. Array Processing and Table Handling

IV. Evaluation Methods

Exams (3)	50%
Programs	40%
Exercises	10%

Grading Scale: 90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; below 60 = F

V. Required Textbooks

Stern, Nancy and Stern, Robert A. Structured COBOL Programming, 8th edition, John Wiley & Sons, 1997.

VI. Special Resource Requirements

This course will utilize existing PC labs in the Eberly College of Business.

VII. Bibliography

Brown, Gary DeWard. Advanced ANSI COBOL with Structured Programming, 2nd ed., John Wiley and Sons, Inc., 1992.

Grauer, Robert T. COBOL: From Micro to Mainframe (with Fujitsu CD), 3rd ed., Prentice Hall, 1999

Grauer, Robert T. Structured COBOL Programming, Prentice Hall, 1985.

Keogh, Jim. COBOL Programmer's Notebook, Prentice Hall, 1998.

Watt, Dwight. Structured COBOL for Technical Students, Prentice Hall, 1998

Yarmish, Rina and Wohl, Gerald. Structured COBOL: A Direct Approach, Prentice Hall, 1993.

2. A summary of the proposed revisions.

Prerequisites are changed to AG 201 and IM 205 from AG 201 and IM 241 or 300.

3. Justification for the revision.

- (a) IM 241 is no longer being offered. Its deletion was submitted in 1997.
- (b) A 300 level course should not be a prerequisite for a 200 level course.
- (c) IM 205 is the appropriate prerequisite to replace IM 241 or IM 300.

4. The old syllabus of record.

IM 255 BUSINESS APPLICATIONS IN COBOL

Prerequisite: AG 201 and IM 241 or 300

Introduces the student to the COBOL programming as it applies to business organizations and their applications. Structured COBOL concepts and methods are taught as the student learns how to solve business problems using computers. The student will be involved using files, reports, and tables to produce a variety of outputs utilized in operating and managing business activities.

No other information is available on the original syllabus of record. Course dates back to the mid 1970's.

5. Liberal Studies course approval form and checklist (if appropriate).

Not applicable.