



APPROVAL FORM

- 1) An approval form must accompany each proposal.
- 2) A proposed catalogue description of the course must accompany the proposal as a separate page.
- 3) Results of all consultations must be attached to the proposal.

Proposal Title Advanced Structural Analysis and Programming

Sponsor(s) Computer Center Dept. Math Computer Science

Check One { Course Credit/Level/Title Change or deletion Other
 Concentration Specialization Major Program Certification

Graduate Undergraduate No. of Credits

Approved
Not Approved

Dr. David Travis
 Dept. Curr. Comm. Chairperson
5/14/82
 Date

Division Curr. Comm.
 Reviewed 5/14/82
 Date

Dean of Division
 Reviewed 5/14/82
 Date

Approved
Not Approved

Dr. Fran Masat
 Chairperson, Department
5/14/82
 Date

Approved
 Not Approved
 Date

James H. ...
 Chairperson Div. Curr. Comm.

James H. ...
 Signature

SENATE CURRICULUM COMMITTEE

SCC # 81-82-37 Proposal Received 3/2/82 Open Hearing Held 5/13/82

Returned to the department for the following reason(s):

Approved by the Curriculum Committee: Date 5/14/82

Presented to Executive Committee of the Faculty Senate as information: Date 5/14/82

Notifications forwarded: Vice President for Academic Affairs: Date 5/14/82

James H. ...
 Signature: Chairperson, Senate Curriculum Committee

VICE PRESIDENT FOR ACADEMIC AFFAIRS

Official copy and approval sheet filled

5-19-82

Date

Signature

Course approved

Yes

No

[Handwritten signature]

If no, reasons are as follows:

- 1.
- 2.
- 3.

Student credit hours assigned

3

Faculty load hours

3

Equalized credit hours

3

REGISTRAR

Approved course description received and Hegis Taxonomy Number assigned

by Registrar

Yes

No

Hegis Taxonomy Number

01070234

Signature: Registrar

Date

ACADEMIC DEAN

Yes

Budget, faculty library allocations and Academic Support Services are adequate for immediate implementation.

No

Constraints do not permit implementation. The earliest the proposal might be implemented would be _____

Signature: Academic Dean

Date

Copies forwarded: Senate Curriculum Committee Chairperson, Department Chairperson, Registrar

Title of the Course: Advanced Structured Design
and Programming Using COBOL

Department: Mathematics and Computer Science

Sponsor: Mathematics and Computer Science Department

Initiator: Benjamin Trimble and Jack Cimprich

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- a) Undergraduate Course
 - b) Credit: Three semester hours.
 - c) Level: Those undergraduate students who have taken the course Structured Design and Programming Using COBOL or its equivalent and wish to learn the advanced techniques of this programming language.
 - d) Prerequisite: Introduction to Computer Science and Structured Design and Programming Using COBOL or equivalent preparation.
 - e) Effects on Curricular Pattern: This course is designed for those students in computer science or management information systems who wish to proceed beyond the level of the first COBOL course and to learn advanced techniques of a high-level programming language which uses structured and modular programming.
 - f) Time Frame: The first section (one anticipated) will be available in the Spring Semester of 1982.

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- a) Adequacy of Resources: No problems of any kind. Four staff members are fully qualified to teach the course. No additional faculty, space, or resources will be needed now or in the future.
 - b) Uniqueness and characteristics of the Course: The course will be an undergraduate course which is a sequel to the popular undergraduate course Structured Design and Programming Using COBOL.
 - c) Objectives of the course: At the conclusion of the course the student will be able to:
 - . Write structured, modular programs (in the COBOL programming language) which process relative files (BDAM).

Consultations: (See attached letters).

P 1. Mike Murach, Structured COBOL, First Edition. Science
o T Research Associates, 1981. (Chapters 7 through 13).

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s x 2. Shelly and Cachman, Advanced Programming --
i t Structured COBOL, First Edition. Anaheim Publishing
b s Company, 1978. (Chapters 1 through 10).

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Catalog Description:

0704.334*

Advanced Structured Design and Programming using COBOL

(Prerequisites: 0701.102 and 0704.333)

This course prepares the student for professional proficiency in the COBOL programming language. The contents include: Structured and modular programming, top-down design, documentation such as hierarchy charts and flow diagrams, programming standards, table handling, sorting, searching, report preparation, character manipulation, sequential files, ISAM files, the transaction-master update problem, and report preparation. If there is time, program linkage will be included. Three or four projects will be developed completely by the student using both Hollerith cards and an online editor.

*Suggested Hegis number

Title of the Course: Advanced Structured Design
and Programming Using COBOL

Department: Mathematics and Computer Science

Sponsor: Mathematics and Computer Science Department

Initiator: Benjamin Trimble and Jack Cimprich

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