

Faculty Senate Curriculum Committee

Approval Form

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Proposal Title: Catalog Change for 0701.542 Computer Science III

Sponsor(s): Wai-kei Yau Dept.: Math/Computer Science

Check one: Course Specialization Concentration Achievement Certificate
 Certification Program Major Program Minor Change Catalog Change
(please name: deletion or credit/title/catalog change)

Undergraduate Graduate 3 Credit Hours

Step 1 (Department)
 Approved 3/26/86
 Not Approved
Seth Bergmann
Dept. CC Chairperson
 Reviewed 4-4-86
J. S. Marant
Chairperson, Dept.

Step 2 (Receipt)
SCC# 85-86-90
Proposal Received 4/27/86
Brenda a. Bolay
Chairperson, SCC

Step 3 (School CC)
Reviewed 4/21/86
 Approved
 Not Approved
Comments: English changes
P. E. Zumbach
Chairperson, School Cur. Comm.

Step 4 (Academic Dean) Comments:
4/24/86
Maria Anton
Signature, Dean of School

Step 5 (SCC)
Open Hearing 5/14/86 Approved by Senate Curriculum Committee 5/14/86
 Returned to sponsor(s) for the following reasons:

Step 6 (Faculty Senate)
Presented to Faculty Senate : 5/21/86 Approved Not Approved
Notification to Vice-President Academic Affairs 5/21/86
Brenda a. Bolay
Signature, SCC Chairperson

Step 7 (Vice-President for Academic Affairs)

Received 5/22/06
Date

Approved Yes No


If no, reasons are as follows:

Student credit hours NA

Faculty load hours NA

Equalized credit hours NA

Official copy and approval sheet filed 9/16/06
Date

Signature 
Vice-President for Academic Affairs

Registrar

Approved course description received _____
Date

Hegis Taxonomy and Course Number assigned _____

Signature _____
Registrar

Date

Notification forwarded: Senate Curriculum Committee Chairperson, Department Chairperson(s), Academic Dean(s), Registrar, Sponsor(s).

CURRICULUM PROPOSAL

CATALOG DESCRIPTION CHANGE FOR 0701.542 COMPUTER SCIENCE III

1. Details

a. Change Requested

From : 0701.542

Computer Science III

(Prerequisite: Computer Science I)

The purpose of this course is to teach students to write programs in COBOL. It will include a description of the language and a comparison with other languages. Emphasis will be on structured modular programming. The college computer installation will be available to students. Documentation such as hierarchy charts (HIPO) and flow charts will be emphasized.

To: 0701.542

Computer Science III

(Prerequisite: Computer Science I)

This course features writing programs of a realistic complexity; programs that are written in a procedure-oriented language such as PASCAL. Programs utilize data structures (strings, lists, graphs, stacks, trees) and algorithms (searching, sorting, etc.).

b. Sponsor : Wai-kei Yau, Department of Math/Computer Science

2. Rationale

a. As computer science curricula over the nation mature, the data structure course has become one of the fundamental courses in computer science curricula designed primarily for students who want to have more than a casual introduction to computers. This view is strongly supported by the latest model computer science curriculum proposals from the ACM and IEEE computer science curriculum committees.

COBOL is a business oriented language and is more appropriate for the MIS curriculum.

A recent survey of faculty in our department and faculty involved in the post-baccalaureate certificate in Educational Uses of Computers indicated that this change was needed.

b. Curricular effect : Since there is no graduate program in computer science, this proposal will not affect any existing program requirements. The main curricular effect will be a strengthening of the post-baccalaureate certificate.

3. Consultation

a. John Sooy, Department of Math/Computer Science

b. Jane Sullivan, Reading/Speech Correction

c. Margaret Cagney, Coordinator of Graduate Studies

