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Glassboro State College Senate Curriculum Committee

Approval Form

Proposal Title: TOPICS IN COMPUTER ARCHITECTURE

Sponsor(s) S. BERGMAN, H. KOLLMETER Dept.: MATH/COMPUTER SCIENCE Ext. 6044

Check one: Course Specialization Concentration Minor Achievement Certificate

Certification Program Major Program Minor Change title-catalog change
(please name: deletion or credit/title/catalog change)

Undergraduate Graduate _____ Credit Hours

<p>Step 1 (Department)</p> <p><input checked="" type="checkbox"/> Approved <u>10/19/87</u> Date</p> <p><input type="checkbox"/> Not Approved</p> <p><u>Ronald J. Gordon</u> Dept. CC Chairperson</p> <p><input checked="" type="checkbox"/> Reviewed <u>11-9-87</u> Date</p> <p><u>[Signature]</u> Dept. Chairperson</p>	<p>Step 2 (Receipt)</p> <p><input type="checkbox"/> SCC# <u>87-88-21</u></p> <p>Proposal Received <u>11/18/87</u> Date</p> <p><u>Brenda A. Belay</u> SCC Chairperson</p>	<p>Step 3 (School CC)</p> <p>Reviewed <u>2/9/88</u></p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p>Comments:</p> <p><u>A. H. + C. Shaw</u> School Curr. Comm. Chairperson</p>
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Step 4 (Academic Dean) **Comments:**

Recommend
 Not Recommend
 Conditionally Recommend (see comments)

Reviewed 2/22/88
Date

[Signature]
Signature, Dean of School

Step 5 (SCC)

Open Hearing 3/8/88 Approved by Senate Curriculum Committee 3/8/88
Date Date

Returned to sponsor(s) for the following reasons:
need cont. Doc on separate page 3/24

Step 6 (Senate)

Presented to Senate 3/8 Approved Not Approved
Date

Notification to Vice-President for Academic Affairs 3/25/88 [Signature]
Date Signature, SCC Chairperson

Step 6 (Senate)

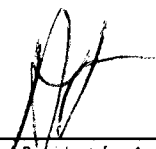
Received 4/7/88
Date

Approved YES No

If no, reasons are as follows:

Student credit hours NA
Faculty load hours NA
Equalized credit hours NA } TITLE CHANGE ONLY

Official copy and approval sheet filed 5-12-88
Date



Signature, Vice-President for Academic Affairs

Registrar

Approved course description received _____
Date

Hegis Taxonomy and Course Number assigned 111

Signature, Registrar

Date

Notification forwarded:

- Senate Curriculum Committee Chairperson
- Department Chairperson(s)
- Academic Dean(s)
- Registrar
- Sponsor(s)

CHANGE IN TITLE, NUMBER AND CATALOG DESCRIPTION
0704.TOPICS IN COMPUTER ARCHITECTURE

1. Details

a. Existing Catalog Description:

0704.404

Topics in Computer Architecture

(Prerequisites: 0704.204 and 0704.370)

This is an advanced course in computer architecture designed to prepare students for graduate school in computer science. The topics include microprogramming, machine language instruction sets and formats of microcomputers, minicomputers, and mainframes, assembly language, operating systems, and computer communications.

Proposed Catalog Description:

0704.380

Computer Architecture

(Prerequisites: 0704.204 and 0704.370)

This is a required course for computer science majors which attempts to bridge the gap between hardware and software. The topics include microprogramming, machine language instruction sets and formats of microcomputers, minicomputers, and mainframes, assembly language, operating systems, and computer communications.

- b. Sponsors: Seth Bergmann, Mathematics and Computer Science
Harold Kollmeier, Mathematics and Computer Science

2. Rationale

a. This change is needed because the Computer Science faculty have decided that Computer Architecture should be a prerequisite for Operating Systems and should be required for computer science majors, as detailed in the proposed changes to the computer science major. Consequently, we would like to change this course from a senior level topics course to a sophomore or junior level course in which the students would be doing more homework assignments and less in the way of independent investigations. This is really a change in level more than a change in course content.

b. This change will have little curricular effect apart from those effects detailed in the proposal to revise the computer science major. The Topics in Computer Architecture course is being offer

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for the first time in the Spring of 1988, so very few students will even be aware of the change.

3. Consultations are internal to the department of Mathematics and Computer Science.

0704.380

Computer Architecture

(Prerequisites: 0704.204 and 0704.370)

This is a required course for computer science majors which attempts to bridge the gap between hardware and software. The topics include microprogramming, machine language instruction sets and formats of microcomputers, minicomputers, and mainframes, assembly language, operating systems, and computer communications.