

ROWAN COLLEGE
CURRICULUM COMMITTEE

SENATE
C

MINOR CHANGE

RECEIVED

PROPOSAL TITLE: Credit change for Computer Science I (0704.540)

 UNDERGRADUATE X GRADUATE 3 to 4 CREDIT HOURS

SPONSOR(S): Seth Bergmann

DEPARTMENT & TELEPHONE# Computer Science Ext. 3893

CHECK ONE:

- CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS
- CATALOGUE DESCRIPTIONS AND/OR PREREQUISITE CHANGES
- SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM
- CHANGES IN HEGIS NUMBER

<p>STEP #1 (DEPARTMENT)</p> <p><input checked="" type="checkbox"/> APPROVED / DATE: <u>10-17-95</u></p> <p><u> </u> NOT APPROVED / DATE: <u> </u></p> <p><u>[Signature]</u> (DEPT. CURRICULUM CHR./ DATE)</p> <p><u>[Signature]</u> DEPT. CHR./DATE</p>	<p>STEP #2 (SCHOOL)</p> <p>DATE REVIEWED <u>3/16/96</u></p> <p><input checked="" type="checkbox"/> RECOMMEND TO APPROVE</p> <p><u> </u> RECOMMEND NOT TO APPROVE</p> <p>COMMENTS:</p> <p><u>[Signature]</u> SCHOOL CURRICULUM CHR.</p>	<p>STEP #3 (ACADEMIC DEAN)</p> <p><input checked="" type="checkbox"/> RECOMMEND <u> </u> NOT RECOMMENDED</p> <p>DATE REVIEWED: <u> </u></p> <p><u>[Signature]</u> DEAN OF SCHOOL SIGNATURE</p>
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<p>STEP #4 (CURRICULUM COMMITTEE)</p> <p>SCC# <u>95-96 72</u></p> <p>DATE RECEIVED: <u>10-26-95</u></p> <p><u>[Signature]</u> <u>5/3/96</u> CURRICULUM COMMITTEE CHR. SIGNATURE</p>	<p>STEP #5 EXE. VP/PROVOST</p> <p><input checked="" type="checkbox"/> APPROVED</p> <p><u> </u> NOT APPROVED</p> <p><u>[Signature]</u> <u>5/20/96</u> SIGNATURE/DATE</p>
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: MINORCHG. FRM

BT Koberg 5/30/96

Minor Curricular Change
0704.540 Computer Science I

1. Details:

- a. Change from 3 semester hours
Change to 4 semester hours
- b. Sponsor: Seth Bergmann, Computer Science Department

2. Rationale:

In the past, this graduate course has been "linked" with the undergraduate course "Structured Programming in Pascal", being offered in conjunction with this course (with extra work for the graduate students). As of the Fall '94 semester, the undergraduate Pascal course was changed to "Computer Science and Programming" (in C++) for 4 student credits. It meets for two regular class periods, and one double lab period.

The purpose of this proposal is to bring the graduate students into conformity with the undergraduates. Without this change, the graduate students are at a disadvantage, because they do not participate in the labs. In addition, it is often necessary to review subject matter, or introduce new material, in the lab sessions. Since the graduate students do not attend the lab sessions, they struggle to learn the material independently.

The change from 3 to 4 credits for the undergraduates appears to be a pedagogic improvement for this course. In the past, students would spend hours struggling with a program that contained a small syntax error, such as a misplaced semicolon. With the instructor present, students can move past such problems and get to the important concepts. The instructor can also point out stylistic and logical improvements as the student is developing the program. There is no reason why the graduate students should not benefit as well.

3. Consultations:

Dr. T. Monahan, Dean of Graduate Studies
Dr. M. Tanenbaum, Secondary Ed.



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1/28/95

Department of Foundations of Education

TO: Seth Bergmann

FROM: M. D. Tannenbaum, Chair

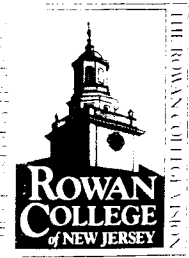
RE: Minor Curricular Change: 0704.540 Computer Science I

DATE: 4 February 1995

I completely concur with the requested change. I am happy to hear the undergraduate course has been changed to include a lab component. When I took that course, I certainly would have benefited on numerous occasions while I was working on designing programs from the presence of the instructor to help detect minor syntax errors.

Also, about 10 years ago I taught the graduate course, Computer Science I, when it was programming in BASIC and experienced the same frustration from the instructor's perspective. I agree with you; there is no reason why the graduate students should not benefit from this change as well as the undergraduates.

/mdt



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Dean of Graduate Studies

January 30, 1995

Seth Bergmann, Chair
Computer Science Department
Rowan College
Glassboro, NJ 08028

Dear Seth:

I have reviewed your proposal for the minor curricular change for the course *Computer Science I* (0704.540). I agree in principle that this course, which is linked with the undergraduate course entitled, *Structured Programming in Pascal*, should bear similar credits, and I support your proposal. Nevertheless, I also point out that this will create additional costs for the students and will increase the number of credits they must earn for their degrees. I encourage you to discuss your proposal with graduate faculty advisers including Brenda Benson-Burrell and Richard Smith in the School of Education. While I think that your rationale and arguments are sound, I believe that it is reasonable that advisers whose programs will be affected by such a change should have an opportunity to comment.

Sincerely,

Thomas C. Monahan, Acting Dean



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March 8, 1995

TO WHOM IT MAY CONCERN:

Dr. Seth Bergmann has discussed his Minor Curriculum Change proposal with me. The change involves increasing the 0704.540 Computer Science course from 3 s.h. to 4 s.h. I believe this is a valid change and would increase service to our graduate students.

Sincerely,

Richard R. Smith, Ed.D.
Professor and Graduate Advisor
M.A. Program in Community College
Education
EDUCATIONAL ADMINISTRATION DEPARTMENT

RRS:mrc