

Step 7 (Executive V.P./Provost)

Received 4/15/94
Date

Approved Yes No

If no, reasons are as follows:

Student credit hours 4

Faculty load hours _____

Equalized credit hours _____

Official copy and approval sheet filed _____
Date

Donald L. Fophaud
Signature, Executive Vice-President/Provost

Registrar

Approved course description received 13 May 94
Date

Hegis Taxonomy and Course Number assigned Credit (4) TITLE Obj.

B. Z. Kelsey
Signature, Registrar

13 May 94
Date

Notification forwarded:

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

**Rowan College of New Jersey
Department of Computer Science**

**Minor Curricular Change:
Change Title, Credit Hours and Description of "Structured Programming in
Pascal"**

1. Details:

a. Change Requested:

I Change the title of the course 0704.103 from "Structured Programming in Pascal" to "Computer Science and Programming". 4 Credits

II. Change the credit hours from three to four.

III. Change the catalog description.

Current catalog description:

"(Prerequisite: 0701.102 or equivalent preparation.)

This course emphasizes programming methodology, algorithms and simple data structures. A procedure-oriented programming language (Pascal) is used to implement computer-based solutions to problems."

Proposed catalog description:

"(Prerequisite: 0701.102 or equivalent preparation.)

This course emphasizes programming methodology, algorithms and simple data structures. A programming language rich enough to allow easy implementation of data structures is studied."

This catalog description is also provided on a separate page.

b. Sponsor: K. Amer

2. Rationale:

a. Statements of need:

I. The purpose of this course is to introduce students to the programming techniques necessary for the study of sophisticated data structures. Pascal has been used as a tool to achieve this end. It is felt that there are other programming languages that can do the job. Thus, the current course title is too restrictive.

II. Currently, most of class time is spent on the syntax of the programming language. By increasing the credit hours from three to four, a weekly laboratory session will be introduced. This will make mastering the syntax of the language much easier, thus allowing more class time to be spent on methodology and applications.

III. The change in the catalog description is necessitated by the above two changes.

b. Statements of Curricular effect:

See the cover memo from Computer Science for the overall effect on required credit hours.

3. Consultation

This proposal was reviewed by the Department as part of the 1991--92 Self Study, and was approved at a meeting of the Department.

4. Resources

This course is currently offered either 2 or 3 times per semester, and once during the summer. Presently, the course has a cap of 25 students; we will need to maintain this cap in order to fit the students into available lab facilities. Most sections have been full or nearly so, with the exception of the summer where attendance has been lighter.

Our department has sufficient faculty to handle the additional load hours required by the laboratory section.

Our computer-equipped classroom, Robinson 325, will be used for the laboratories. The facilities in this room are adequate for this course without any change or upgrade.

Proposed Catalog Description

Computer Science and Programming

(Prerequisite: 0701.102 or equivalent preparation.)

This course emphasizes programming methodology, algorithms and simple data structures. A programming language rich enough to allow easy implementation of data structures is studied.



Rowan College of New Jersey

201 Mullica Hill Road
Glassboro, New Jersey 08028-1701 • (609) 863-6244

Computer Science Department

April 7, 1993

Dr. Janet Caldwell
Chairperson
Subcommittee for Liberal Arts and Sciences, Curriculum Committee
College Senate

Dear Janet:

At our Department Meeting of April 7, 1993, we adopted the following resolution:

The Department of Computer Science requests that our Minor Curricular Change entitled *Change Title, Credit Hours and Description of "Structured Programming in Pascal"* be amended as follows:

Replace:

Change the title of the course 0704.102 from "Structured Programming in Pascal" to "Programming for Computer Scientists".

with:

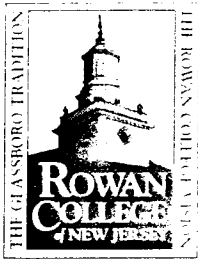
Change the title of the course 0704.102 from "Structured Programming in Pascal" to "Computer Science and Programming".

Yours truly,

Don Stone

Don Stone
Chairperson
Department of Computer Science

cc: Mary Putman, Chairperson, Curriculum Committee ✓
Diane Hamilton, Chairperson, MIS



Rowan College of New Jersey

Glassboro, New Jersey 08028-1701

DATE: March 12, 1993

TO: A. Michael Berman
Chairperson, Curriculum Committee, Computer Science Department

FROM: diane hamilton *diane*
Chairperson, Department of Management & M.I.S.

RE: curriculum proposal

I am happy to support your change in the Structured Programming in Pascal course. As I said in our conversation, I would much rather see our MIS students have a course in C++ than Pascal. Historically, this has not been an option. Therefore, any moves you make toward this change can only enhance our program. I am naturally concerned about the additional credit for the course, but I agree with you that adding a lab session will make the course stronger. So we will have to adjust our curriculum as necessary to accommodate the increased credits. Finally, I don't care for the course name, as I told you. However, since I cannot come up with a better one I have no right to complain -- so I won't.

Regarding your new course "Computer Laboratory Techniques", I would like to see a syllabus for this course as soon as one is prepared. It may be a useful elective for our students, if it isn't too oriented towards the computer science program.

I appreciate the opportunity to provide this input, and look forward to continued collaboration to benefit both computer science and MIS students.