



Approval Form

Proposal Title: 0706.204 Programming Languages ^{0709.315}

Sponsor(s) A. Michael Berman Dept.: Computer Science Ext. 6521

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

Undergraduate Graduate _____ Credit Hours

<p>Step 1 (Department)</p> <p><input checked="" type="checkbox"/> Approved <u>1/27/93</u> Date</p> <p><input type="checkbox"/> Not Approved</p> <p><u>A. Michael Berman</u> Dept. CC Chairperson</p> <p><input checked="" type="checkbox"/> Reviewed <u>2/4/93</u> Date</p> <p><u>Don C. Steiner</u> Dept. Chairperson</p>	<p>Step 2 (Receipt)</p> <p><input type="checkbox"/> SCC# <u>972 99-04</u></p> <p>Proposal Received _____ Date</p> <p><u>Mary J. Tutman</u> SCC Chairperson</p>	<p>Step 3 (School CC)</p> <p>Reviewed <u>4-28-93</u></p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p>Comments: _____</p> <p><u>J. Caldwell</u> School Curr. Comm. Chairperson</p>
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<p>Step 4 (Academic Dean)</p> <p><input type="checkbox"/> Recommend <input type="checkbox"/> Not Recommend <input type="checkbox"/> Conditionally Recommend (see comments)</p> <p>Reviewed _____ Date</p>	<p>Comments:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Signature, Dean of School _____</p>
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<p>Step 5 (SCC)</p> <p>Open Hearing <u>10/29/93</u> Date</p> <p><input type="checkbox"/> Returned to sponsor(s) for the following reasons:</p>	<p><input checked="" type="checkbox"/> Approved by Senate Curriculum Committee <u>10/19/94</u> Date</p>
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<p>Step 6 (Senate)</p> <p>Presented to Senate <u>10/26/94</u> Date</p> <p>Notification to Executive Vice-President/Provost _____ Date</p>	<p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p><u>Ronald J. Gordon</u> Signature, SCC Chairperson</p>
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Step 7 (Executive V.P./Provost)

Received 4/11/94
Date

Approved Yes No

If no, reasons are as follows:

Student credit hours _____

Faculty load hours _____

Equalized credit hours _____

Official copy and approval sheet filed _____
Date

Donald G. Gephart
Signature, Executive Vice-President/Provost

Registrar

Approved course description received 22 Mar 94
Date

Hegis Taxonomy and Course Number assigned *Unique*

B. D. [Signature]
Signature, Registrar

22 Mar 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: Add Prerequisite for "Programming Languages"

1. Details

- a. Change Requested: Add "Computer Organization"¹ (0706.204) as a prerequisite for "Programming Languages" (0704.315)
- b. Sponsor: A. Michael Berman, Department of Computer Science

2. Rationale

- a. Statement of need for change:

Until several years ago, the predecessor of Computer Organization -- Assembly Language Programming -- was an implicit prerequisite for Programming Languages; that is, Assembly Language was a prerequisite for Data Structures (0704.222) which is a prerequisite for Programming Languages. At that time, Assembly Language was removed as a prerequisite for Data Structures, but by an oversight it was never added as a prerequisite for Programming Languages. It is essential that students in Programming Languages understand computers at the level of memory and registers as was taught in Assembly Language and will now be covered in Computer Organization; hence this proposal.

- b. Statement of Curricular Effect:

Computer Organization will be a major requirement, as is Programming Languages; the only effect will be on the order in which the courses are taken.

3. Results of Consultation:

This proposal has been discussed and approved by the Computer Science Department.

¹This is the course proposed as a replacement for "Assembly Language Programming" (0704.204).

0704.315 Programming Languages

(Prerequisites: 0704.222 and 0706.204)

A study of the fundamental principles underlying the design of programming languages. Students will study two or more languages from contrasting programming paradigms such as Functional, Object-Oriented, Logical, or Concurrent.