

**SENATE CURRICULUM COMMITTEE
MINOR CURRICULAR CHANGE FORM**

Ⓜ

PROPOSAL TITLE: Discrete Mathematics (1703.150)

UNDERGRADUATE

GRADUATE

CREDIT HOURS

SPONSOR(S): A. Abay
DEPARTMENT: Mathematics
TELEPHONE: x. 3878

RECEIVED
FEB 18 1998

CHECK:

CHANGES IN APPROVED MINORS, SPECIALIZATIONS, CONCENTRATIONS

CATALOG DESCRIPTIONS, TITLES, AND/OR PREREQUISITES

SMALL CHANGES IN COURSE CONTENT OF EXISTING COURSES WHICH DO NOT SUBSTANTIALLY VARY THE CURRICULUM

CHANGES IN HEGIS NUMBER

OFFICE OF THE DEAN
ARTS AND SCIENCES

STEP #1 (DEPARTMENT)

Date Approved: 10/16/97

Date **NOT** Approved: _____

Abera Abay 10/20/97

Dept. Curriculum Chairperson signature/date

M. J. [Signature] 10/22/97

Dept. Chairperson signature/date

STEP #2 (COLLEGE)

Recommend To Approve/date: 2/2/98

Recommend **NOT** To Approve/date: _____

Comments:

[Signature]

College Curriculum Chairperson Signature /date

STEP #3 (ACADEMIC DEAN)

Recommended

NOT Recommended

[Signature] 2/18/98

Dean of College Signature/date

STEP #4 (CURRICULUM COMMITTEE)

SCC# 9798-218

11-19-97

APPROVED:

NOT APPROVED

[Signature] 5/1/98

Curriculum Committee Chairperson Signature/date

STEP #5 EXECUTIVE VP/PROVOST

Approved

NOT Approved

[Signature] 5/18/98

Signature /Date

REGISTRAR'S SIGNATURE/DATE:

Robert A. Kulat 5/21/98

**Rowan University
Department of Mathematics**

Minor Curricular Change

**Changing Prerequisites and Catalog Description for
Discrete Mathematics**

1. Details

a. Change requested:

Remove Introduction to Programming and Intermediate Algebra as a prerequisite for 1703.150 Discrete Mathematics. Change catalog description for 1703.150 Discrete Mathematics.

b. Sponsor: Curriculum Committee, Mathematics Department

2. Rationale

a. Statement of “need” for such a change:

Starting in the Fall of 1998, students will not be able to register if they have not fulfilled the course prerequisites. The above course has a prerequisite that can be satisfied in high school. Since the registration system does not check courses taken in high school, it is appropriate to eliminate the prerequisite for the above course. However, it will be indicated in the catalog description that students are expected to have completed an equivalent of Intermediate Algebra and Introduction to Programming.

b. Statement of curricular effect:

None

3. Results of Consultation

The above is approved by the Curriculum Committee of the Mathematics Department.

New Catalog Description

1703.150

3 s.h.

Discrete Mathematics

This course covers topics essential for work in computer science beyond elementary programming. Included are numeration systems, sets, relations, logic, induction, recursion, combinatorics, number bases, graphs and trees. Emphasis is placed on the solution of problems, and, at the instructor's discretion, computer programs may be assigned. Use of graphing calculators is required. Students are expected to have completed equivalents 0701.102 Introduction to Programming and 1701.121 Intermediate Algebra.