

**SENATE CURRICULUM COMMITTEE
MINOR CURRICULAR CHANGE FORM**

②

PROPOSAL TITLE: Calculus Techniques and Applications (1703.125)

UNDERGRADUATE

GRADUATE

CREDIT HOURS

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

RECEIVED
FEB 18 1998

CHECK:

OFFICE OF THE DEAN
ARTS AND SCIENCES

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

STEP #1 (DEPARTMENT)

Date Approved: 10/16/97

Date NOT Approved: _____

Abera Abay 10/20/97

Dept. Curriculum Chairperson signature/date

A. Abay 10/22/97

Dept. Chairperson signature/date

STEP #2 (COLLEGE)

Recommend To Approve/date: 4/2/98

Recommend NOT To Approve/date: _____

Comments: _____

Ken M...

College Curriculum Chairperson Signature /date

STEP #3 (ACADEMIC DEAN)

Recommended

NOT Recommended

Robert A. Kubat 4/18/98

Dean of College Signature/date

STEP #4 (CURRICULUM COMMITTEE)

SCC# 9798-217
11-20-97

APPROVED:

NOT APPROVED:

Travis A. ... 5/1/98

Curriculum Committee Chairperson Signature/date

MAY 11 1998 STEP #5 EXECUTIVE VP/PROVOST

Approved

NOT Approved

Robert A. Kubat 5/18/98

Signature /Date

REGISTRAR'S SIGNATURE/DATE

Robert A. Kubat 5/21/99

**Rowan University
Department of Mathematics**

Minor Curricular Change

**Changing Prerequisites and Catalog Description for
Calculus Techniques and Applications**

1. Details

a. Change requested:

Remove Precalculus Mathematics as a prerequisite for 1703.125 Calculus Techniques and Applications. Change catalog description for 1703.125 Calculus Techniques and Applications.

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 College Algebra.

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

1703.125

3 s.h.

Calculus Techniques and Applications

This course introduces students to the techniques of differential and integral calculus. Emphasis is placed on practical applications of limits, derivatives, integrals and sequences with business applications highlighted. This course also provides experience with and information about the significance and specific uses of the calculus in today's world. Use of calculators is required. Students are expected to have completed an equivalent of 1701.123 College Algebra.