

Step 7 (Executive V.P./Provost)

Received _____

Date

If no, reasons are as follows:

Approved Yes No

Student credit hours _____

Faculty load hours _____

Equalized credit hours _____

Official copy and approval sheet filed _____
Date

Signature, Executive Vice-President/Provost

Registrar

Approved course description received 26 Aug 92
Date

Hegis Taxonomy and Course Number assigned N/A

B. J. Kelly for DB
Signature Registrar

26 Aug 92
Date

Notification forwarded:

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

MINOR CURRICULUM CHANGE
PREREQUISITE CHANGE

1. DETAILS

A. Change prerequisites

i. Calculus II

FROM: 1701.131 Calculus I with a grade of C or better and 701.102 Intro. to Programming
TO: Calculus I with a grade of C or better and 701.102 Intro. to Programming. Majors must also have had 1701.151 Discrete Mathematics.

ii. Numerical Analysis

FROM: 0701.102 Intro to Programming and 1701.131 Calculus II
TO: 0701.102 Intro to Programming and 1701.210 Linear Algebra

iii. Geometry I

FROM: 1701.131 Calculus I
TO: 1701.131 Calculus I and 1509.130 Symbolic Logic

iv. Modern Algebra I

FROM: 1701.210 Linear Algebra
TO: 1701.210 Linear Algebra and 1509.130 Symbolic Logic

B. Sponsors: Mathematics Department Curriculum Committee

2. RATIONALE

A.

i. Mathematics majors are currently disregarding departmental advisors and taking Discrete Mathematics whenever it fits into their schedule. This creates a problem in the Discrete Mathematics course because students are taking it too late in their careers. This change will force them to take it when it will be the most beneficial.

ii. Numerical Analysis often covers numerical methods for solving systems of linear equations. This is the subject matter of Linear Algebra which is necessary in order to discuss these advanced numerical techniques.

iii. Geometry I requires an extensive knowledge of formal logic which is often reviewed in the course. This prerequisite will allow the course to spend less time in review and ensure that the students are well prepared for the theoretical study of geometry.

iv. Same as for Geometry I.

B.

i. This prerequisite is only for those math majors taking Calculus II, others will not be effected. It provides more structure to the Mathematics Major because it requires students to take the foundation courses in Calculus I and Discrete Mathematics during the Freshman year.

ii. This prerequisite will make formal an understood prerequisite. Only Mathematics Majors or Minors would be taking Numerical Analysis and since both programs require Linear Algebra there should be no adverse effect from this change.

iii. Geometry I is a course taken only by Mathematics Majors. Since all Mathematics Majors are required to take Symbolic Logic, the curricular effect of this change would be to require students to take logic early when it is most advantageous.

iv. Same as for Geomaty I.

3. RESULTS OF CONSULTATION

A. The Mathematics Department was consulted at a department meeting and was in favor of this change.