

Approval Form

APR 10 1995

Proposal Title: Change in the Required Courses for Math Majors

Sponsor(s) Math Dept. Dept: Mathematics Ext: 4845

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

Undergraduate

Graduate

___ Credit Hours

<p>Step 1 (Department)</p> <p><input checked="" type="checkbox"/> Approved <u>3/5/95</u> Date</p> <p><input type="checkbox"/> Not Approved</p> <p><u>Sally Howe</u> Dept. CC/Chairperson</p> <p><input checked="" type="checkbox"/> Reviewed <u>3/6/95</u> Date</p> <p><u>[Signature]</u> Dept. Chairperson</p>	<p>Step 2 (Receipt)</p> <p><input checked="" type="checkbox"/> SCC# <u>94-95-75</u></p> <p>Proposal Received <u>3-22-95</u> Date</p> <p><u>[Signature]</u> SCC Chairperson</p>	<p>Step 3 (School CC)</p> <p>Reviewed <u>3/30/95</u></p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p>Comments:</p> <p><u>[Signature]</u> School Curr Comm Chairperson</p>
<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 style="text-align: right;">_____ Signature, Dean of School</p>		
<p>Step 5 (SCC)</p> <p>Open Hearing <u>4-24</u> <input type="checkbox"/> Approved by Senate Curriculum Committee _____ Date _____</p> <p><input type="checkbox"/> Returned to sponsor(s) for the following reasons:</p>		
<p>Step 6 (Senate)</p> <p>Presented to Senate <u>4/25/95</u></p> <p><input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p><u>[Signature]</u></p> <p><small>Not to be used for Extension of Vice President's Proposal</small></p>		

Step 7 (Executive V.P./Provost)

Received 5/4/95
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 E. Gephart
Signature, Executive Vice-President/Provost

Registrar

Approved course description received 5/30/95
Date

Hegis Taxonomy and Course Number assigned Reg. Courses for Math. Maj.

B. J. Kelsey
Signature, Registrar

5/30/95
Date

Notification forwarded:

Senate Curriculum Committee Chairperson

Department Chairperson(s)

Academic Dean(s)

Registrar

Sponsor(s)

Proposal for a Change in the Required
Courses for Math Majors

Sponsor: Mathematics Department

Proposal: Discrete Mathematics (currently required) to become a restricted elective and Differential Equations (currently a restricted elective) to become a required course.

Rationale:

1. Differential Equations is a required math major course at most universities and therefore is tested on the Graduate Record Examination.
2. Those portions of Discrete that appear on the GRE are also frequently taught in other major courses.
3. Discrete is becoming more frequently taught on the high school level.
4. Differential Equations is an excellent capstone course for the first two years of the undergraduate major since it uses Calculus and Linear Algebra.

The objectives and syllabi of the courses will not change.