THE COLLEGE OF NEW JERSEY
MATHEMATICS AND STATISTICS DEPARTMENT

MAT 454 Seminar in Applied Mathematics   *4 S.H.*

Prerequisite: MAT 229 and MAT 305

I   *Course Description*

A flexible course in which the content is selected from topics in Applied Mathematics. This is an elective course designed to enrich the background of the student as well as to bridge the gap between undergraduate mathematics and graduate mathematics.

II   *Course Objectives*

A.   To give the student a basic understanding of that particular branch of mathematics.

B.   To show the student how the particular area is integrated with various other branches of mathematics.

C.   To provide the student with the necessary background for further study and reading in mathematics.

III   *Course Outline*

Will vary as indicated in course description.

IV   *Teaching Methods*

This course may take on the nature of a seminar, lecture course or combination of both. This depends upon the nature of the subject, the ability of the students and the desire of the instructor.

V   *Bibliography*

Will vary as indicated in course description.

VI   Course Requirements

Will vary as indicated in Teaching Methods.

VII   Course Evaluation

A.   Quality of results on examinations (if given).
B.   Student reaction, determined by discussion.
C.   Self-evaluation with respect to relative merits of topics discussed.
D.   Departmental discussions.

Revised 2/9/01
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