# Syllabus MA401 <br> Lincar Algebra <br> Spring 1998 <br> MWF 11:00-11:50 Room E 106 <br> Instructor M. Smith 

Office Information HH 018
Office Hour (after the class prefered) or by appointment Call Ext 681 (739-4681) or (H) 528-1978-

Textbook: Elementary Linear Algebra (6th Edition) 1996
by Bernard Kolman ISBN 0-13-374729-8
Publisher Prentice- Hall, Inc.
Course Description: Matrices, elementary row operations, vector spaces, linear transformations, deter minants, applications to system of linear equations, bases and orthogonal bases, eigen values, and eigen vectors. Prerequistie: M211 or consent of instructor.

Course Objectives: Students will be introduced to axiomatic approach to study mathematics, and begin to learn proving theorems.
This course is prerequisite to MA402 Abstract Algebra.
Methods of evaluation: Homework (30\%)
One midterm examination and quizzes (30\%)
Final comprehensive examination ( $40 \%$ )
Preview: Previewing is a key to a successful learning. The following items are few of pointers that are helpful for an effective previewing.
(a) meet new terminlogies or symbols (read definitions);
(b) think about connection or relationship with previously; learned concepts or techniques;
(c) make sure to note unclear points or any questions arising while previewing:
(d) ask yourself " why? ", when you read the textbook;
(e) if so desired,try exercise problems for better understanding

Homework: Unless otherwise advised, all exercise problems indicated to each section in the course outline are automatically assigned. Students should prepare a separate notebook for the exercise.

Course outline: We plan to proceed according the of der in which sections appear in the next page and we will try to cover abour two to three sections per week
This course cutline is a tentative one and we mav need to adinst the coutine


