

Summer Semester 2010

Math 309

Time : Mon, Wed, Fri.: 10:20 - 12:10
Place : 105A Berkey Hall.
Text Book : Linear Algebra: Gateway to Mathematics by Robert Messer.
Instructor : Manish Kumar
Office : A321 Wells Hall. Tel. 517 432 1619.
Email : mkumar@math.msu.edu
Office hours : Mon 2:00-3:00, Wed 2:00-3:00 and by appointment.

Course webpage: <http://www.math.msu.edu/~mkumar/teaching.html>

This is a proof based course. The emphasis is on rigorous and precise way of writing proofs. You will be expected to learn proofs of the theorems covered in class and the solutions to the problems involves writing proofs in precise manner. Lectures will be designed to train you to write proofs as well.

Tentative date for the Exams for this course are:

Midterm: June 7th (150 Points).

FINAL EXAM: June 30th (200 Points).

Homework: Weekly homeworks will be assigned. Each homework will be worth 15 points. No late homeworks will be accepted.

Worksheets: There are worksheets on the course webpage. You are expected to do them as and when assigned. They are designed to help you understand the material.

Cutoffs for the final grade will be the following:

4.0 - 90%

3.5 - 84%

3.0 - 78%

2.5 - 70%

2.0 - 64%

1.5 - 58%

1.0 - 50%

NOTE: The University policy concerning academic integrity is covered in the Spartan Life Student Handbook and Resource Guide, General Rules and Regulations. According to the handbook: “No student shall claim or submit the work of another as one’s own”

Course contents: vector spaces, linear systems of equations, linear independence and bases, inner product spaces, linear transformations, determinants, and eigen-values and eigen-vectors.