Math 247-01: Linear Algebra I
Mon-Tue-Thu-Fri 12:00 – 12:50 pm
Classroom: Wissink Hall 286A
My Office: Wissink Hall 263

Professor: Dan Singer
Webpage: http://mavdisk.mnsu.edu/singed/
Email: dan.singer@mnsu.edu
Office Hours: 10-11, 1-3 Mon-Tue-Thu-Fri

Course Description: This is an introductory course in linear algebra, a subject which has both computational and theoretical aspects. The computational topics include systems of linear equations, matrices, and determinants. The theoretical topics include vector spaces and subspaces, dimension of vector spaces, linear maps, scalar products, and eigenvalues and eigenvectors.

Prerequisite: Math 247 with a C or better or consent

Textbook: *Introduction to Linear Algebra, 2nd Edition,* Serge Lange, Springer-Verlag.

Course Format: I will develop the material and work out a variety of examples in class. I am relying on students to take careful notes, read the textbook carefully, and write up the homework solutions thoroughly. The more thorough and precise you are in writing up homework solutions, the better you will understand the material.

Exam Policy: You may bring in a single sheet of notes to refer to during each exam. You may use a calculator as directed.

Homework Policy: All homework completed in good faith and turned in will receive full credit. Please indicate at the top of your homework one or two problems you would like me to comment on, if necessary. Please staple your homework before submitting it.

Attendance Policy: I don't award points for attendance, but my exams are based on the assumption that students have attended 100% of all classes, have taken careful notes, and have done all the homework.

Grade Calculation: 4 Exams: 100 points each. Homework: 100 points. The course grade is determined by the scale below:

A: 450 – 500 points   B: 400 – 449 points   C: 350 – 399 points
D: 300 – 349 points   F: 0 – 299 points

Grade Policy: Your grade is based on your performance during the sixteen weeks of the regular semester in accordance with the grade calculation above. I will not change any grades after they have been submitted to the Registrar, and I will not consent to extra-credit opportunities designed for the express purpose of raising the grade of one individual. All discussions with me regarding your grade should be limited to how you can study and what scores I have currently recorded for you in my records. Consult the handout "Five Tips for Effective Studying in Mathematics Courses."

Student Conduct: Please arrive on time and don't interrupt the class with conversation or electronic devices or by leaving early. Your respectful conduct will be appreciated!

Course Schedule:

Dates	Material	Lectures	Pace
8/26 – 9/3	Chapter 1	5	Fast
9/5 – 9/17	Chapter 2	8	Med
9/19 – 10/4	Chapter 3	9	Slow
10/7 – 10/21	Chapter 4	9	Slow
10/22 – 10/31	Chapter 5	5	Slow
11/4 – 11/12	Chapter 6	6	Slow
11/14 – 11/19	Chapter 7	4	Fast
11/21 – 12/6	Chapter 8	7	Slow

Exam Schedule:

Exam	Date	Material
1	9/27	Chapters 1 and 2
2	11/1	Chapters 3 and 4
3	11/22	Chapters 5 and 6
4	12/9	Chapters 7 and 8

Note: The Final Exam is Exam 4 and is held on Monday, December 9, 10:15 – 12:15