

Mathematics 261: Honors Algebra I
Fall Semester 1996

Galvin Life Science Center, Room 146
MWF 11:45 – 12:35

Text: Linear Algebra, 2nd edition, by K. Hoffman and R. Kunze, Prentice Hall, 1971.

Instructor: Professor S. Liedahl, CCMB 300A, 631-8698
Office Hours: MWF 9 – 10, and by appointment

Exam Schedule

Exam I, October 4
Exam II, November 15
Final, December 20

Grades

Weekly quizzes: 50 points total
Homework: 50 points total
Exams I and II: 100 points each
Final: 150 points

Quizzes will be scored out of 10 points, homework assignments out of 20, and a letter grade will be given for each exam. The course grade will be based on the sum of these scores. Students may work in groups on homework assignments.

Topics

The course material is contained in chapters 1 through 6 of the text. Building on the foundation of matrix arithmetic, we will study abstract vector spaces (including the basic theorem that any two bases of a finite-dimensional vector space have the same number of elements), and the linear maps between vector spaces (including their matrix representations, determinants, and eigenvalues).