Math 525 — Modern Algebra II: Linear Algebra
Fall 2015

Instructor Information

Instructor:	Ben Salisbury, Assistant Professor
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Office:	Pearce 206H
Office Hours:	Mondays 1:00–2:30pm, and by appointment

Course Information

Meeting Times:	TuTh 9:30am–10:45pm in Pearce 223
Course Text:	Kenneth Hoffman and Ray Kunze, *Linear Algebra*, second ed., Prentice Hall, Upper Saddle River, NJ, 1971.
Additional References:	Stephen H. Friedberg, Arnold J. Insel, and Lawrence E. Spence, *Linear algebra*, third ed., Prentice Hall, Upper Saddle River, NJ, 1997.
	Sheldon Axler, *Linear Algebra Done Right*, second ed., Undergraduate Texts in Mathematics, Springer-Verlag, New York, 1997.

Objectives: Lectures will cover a good chunk of the course text; in particular, vector spaces and their basis and subspaces, linear transformations, canonical forms, and inner product spaces. Some sections and examples may be reading assignments. Students are responsible for understanding these reading assignments and take the initiative to communicate with the instructor if any difficulty occurs.

Homework. Homework will be assigned every Thursday starting with the first week of class, and will be collected each subsequent Thursday in class starting the second week. Late homework will *not* be accepted. Moreover, for those of you who would like to use LaTeX to prepare your homework, I will post a template file on Blackboard for each assignment from which you may build your work.

Exams. There will be two midterm exams (see below) and a final exam on Tuesday, December 15, 10:00–11:50am. Absolutely no make-up exams will be given without prior permission of the instructor. Validity of excuses is determined by the instructor. If an emergency happened on an exam day, a notice within 24 hours is required in order to make up the missed exam. No calculators are allowed in midterms and final exams.

Grading Breakdown

Homework	Weekly	30%
Exam 1	Thursday, October 1, 2015, in class	20%
Exam 2	Thursday, November 5, 2015, in class	20%
Final Exam	Tuesday, December 15, 2015, 10am–11:50am	30%

Important: There are no make-ups for exams. In the event of an extreme emergency, an exception to this policy may be made. However, this exception is at the discretion of the instructor.