Math 4063/5023 - Advanced Linear Algebra
Syllabus - Fall 2014

Instructor: Dr. Birne Binegar
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Lectures: Tuesdays and Thursdays, 9:00-10:15 in MS 514
Office Hours: Tuesdays 10:15-11:15, Wednesdays and Fridays 10:00-11:00 in MS430

Required Text: Linear Algebra: An Introductory Approach,

Prerequisites: Linear Algebra (Math 3013)

Course Objectives: Students entering the course are expected to have completed Math 3013 Linear Algebra and to have a good understanding of the notions of vector spaces, linear independence, and bases. The goal of this course is to further develop the notions of abstract linear algebra introduced in Math 3013 and to provide a framework for applying linear algebra to a variety of mathematical and physical problems. Mathematical proofs will also be prominent in this course.

Homework: Homework problems will be assigned daily in class. All the homework assigned during a given week will be due at the beginning of the first class of the following week.

Examinations: There will be two midterm examinations worth 100 pts each and one final examination worth 150 pts.

Grades: Grades will be determined exclusively from homework, midterm, and final exam scores.

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\begin{align*}
2 \text{ Midterm Exams} & \quad 200 \text{ possible pts.} \\
\text{Homework and Quizes} & \quad 25 \text{ possible pts.} \\
\text{Final Examination}\ast & \quad 150 \text{ possible pts.} \\
& \quad 375 \text{ possible pts.}
\end{align*}
\]

Letter grades will be assigned as follows:

- A: 337 - 375 pts.
- B: 300 - 336 pts.
- C: 262 - 299 pts.
- D: 225 - 261 pts.
- F: 0 - 224 pts.

\* The final exam will be Tuesday, December 9, 2014, 8:00-9:50 pm, in MS 514.