

# Math 4063/5023 - Advanced Linear Algebra

## Syllabus - Fall 2015

Instructor: Dr. Birne Binegar  
430 Mathematical Sciences  
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Lectures: Tuesdays and Thursdays, 9:00-10:15 in MS 514

Office Hours (MS 430): Mondays and Wednesdays 1:30 – 2:30 , Tuesdays and Fridays 10:30 – 11:30

Required Text: *Linear Algebra: An Introductory Approach*,  
by Charles W. Curtis, ISBN-10: 978-1-4612-7019-5

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.

2 Midterm Exams	200 possible pts.
Homework and Quizzes	25 possible pts.
Final Examination*	150 possible pts.
	<u>375 possible pts.</u>

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.

**This course will be conducted in accordance with the standard OSU Policies and Procedures.**

(See <https://academicaffairs.okstate.edu/sites/default/files/Fall%202015%20Syllabus.pdf> for details on these policies)

\* The final exam will be Thursday, December 10, 2015, 8:00–9:50 pm, in MS 514.