

Math 4063/5023.62247: Advanced Linear Algebra Syllabus

Instructor Contact Information:

Instructor: Dr. Jay Schweig
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Office: 433 MSCS
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Office Hours: R 2:30 — 3:30, F 1:30 — 2:30
Office hour in the MLSC: W 3:00 — 4:00
(office hours are subject to change)

Class and Resource Info:

Class Meeting: 9:00 — 10:15 TR
Class Location: Math Sciences 514
D2L (Online Classroom): <https://online.okstate.edu/> (Chrome, Firefox, or Safari work best).

~This syllabus is subject to change. If updated, the new version will be posted on D2L.~

Prerequisite:

Grades of C or better in Math 3013: Linear Algebra and Math 3613: Introduction to Modern Algebra, or equivalent.

Required Materials:

- (1) *Linear Algebra*, 4th Edition, by Friedberg, Insel, and Spence.
- (2) *Linear Algebra Done Right*, 3rd Edition, by Axler. (Electronic copy free from library)

Calculators:

Calculators are not permitted for exams. Of course, you're welcome to use a calculator on the homework, though I'm not sure how much help it'll be.

Expectations:

All students are expected to be active participants in class by asking and answering questions. During class, the use of cellphones, tablets, and laptops is prohibited since these can be distracting. Plan to spend, on average, eight hours each week outside of class on staying caught up. This includes reading the text, working on problems, discussing questions with others, and making use of office hours and the MLSC. Should you miss class, it is your responsibility for obtaining any handouts and finding out about any announcements or assignments you may have missed. For example, arrange to borrow a classmate's notes so that you can learn what was covered in class.

Missing Work:

Reasonable accommodation will be offered in the event that you miss a major assessment activity for a valid and documented reason, **assuming documentation is provided in advance** unless absolutely impossible. For a quiz or exam, you need to tell me as soon as you know there is a conflict; you will be ineligible for a make-up if you do not. If you cannot make it to class when a written assignment is due you should turn it in early or get a classmate to turn it in for you.

Syllabus Attachment:

Please read the OSU syllabus attachment online from the following page:
<http://academicaffairs.okstate.edu/content/resources-faculty-staff> (follow the link under Syllabus Attachment for Fall 2018). This has a lot of important information, including instructions about disability accommodations.

Please contact me privately during the first week of the course if you need accommodations as the result of a disability. Any changes to this syllabus will be announced in class and posted on D2L.

Grades:

There are two grading schema; for each student the one resulting in the higher grade will automatically be used:

Items	Scheme A	Scheme B
Exams 1 and 2	20% each	15% each
Final Exam	25%	35%
Homework & Quizzes	35%	35%

Grade Determination:

$90\% \leq A \leq 100\%$

$80\% \leq B < 90\%$

$70\% \leq C < 80\%$

$60\% \leq D < 70\%$

$0\% \leq F < 60\%$

A slight curve may be applied to the final grade, but you shouldn't factor this in when shooting for a grade (e.g., if you want a B, don't aim for a 79% and hope for a curve!)

Homework:

As with any kind of math, the key to understanding Linear Algebra is lots of practice. We'll have weekly written assignments, typically assigned on a Tuesday and due the following Tuesday. While you are allowed to work together on these assignments, keep in mind that it is an academic integrity violation to simply copy someone else's work.

Exams:

There will be two in-class exams, and a comprehensive Final Exam.

Exam 1: Thursday, September 27th

Exam 2: Thursday, November 1st

Final Exam: Tuesday, December 11th from 8:00 to 9:50 AM.

Exam Policy:

You are permitted a handwritten 4"×6" note card (both sides). Calculators are not permitted for exams.

Academic Integrity:

Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct. Please see the OSU Fall 2018 Syllabus Attachment for more information. You are encouraged to work and study together, however **all work you hand in must be your own**. Copying someone else's solutions or letting others copy your work is prohibited. Do not cheat. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination, or course, receiving a notation of a violation of academic integrity on your transcript (F!), and/or being suspended from the University.

Drops:

The last day to drop a course without a 'W' is Monday, August 27th. It is hard to know by this early date if you are well-suited for the course (we will have had only two lectures), so if you have any questions as to your prerequisites or your fit in the class, please come talk to me.