Course Syllabus

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SUPPORT

Academic resources such as **Academic Excellence Workshops and peer tutoring (https://canvas.cornell.edu/courses/42136/pages/AEW%20workshops%20and%20peer%20tutoring?titleize=0)** are available.

There is also the Math Support Center in Malott. **Here (https://math.cornell.edu/math-support-center-msc)** is their webpage. As of now they plan on a combination of in person and zoom meetings.

The Learning Strategies Center can help you find study partners. Here is their message:

Find study partners! *Studying with peers is a great way to connect with other Cornell students and is a powerful tool for learning. Finding people to study with can be challenging (even when you are taking in-person classes), and Cornell's Learning Strategies Center (**LSC (http://lsc.cornell.edu/)**) helps match you with study partners. To find out more about study groups and partners, and to sign-up for study partners for class you are in, visit the LSC's **Studying together web page. (https://lsc.cornell.edu/studying-together/)***

Mental health: There is a **Cornell Mental Health Resources Guide** ⤴ **(https://thesophiefund.org/wp-content/uploads/2022/08/Cornell-Wellness-Resources-Guide-2022-23.pdf)** created for students by students. It is a compilation of information and links for resources and support.

TEXTBOOK

Linear Algebra and Its Applications (6th ed.) by Lay, Lay, and McDonald.

COURSE SCHEDULE

The details of the **Course Schedule (https://canvas.cornell.edu/courses/42136/pages/course-schedule)** (which is linked on the home page) will be available approximately 2 weeks forward.

You can expect us to cover the following sections of the text in the order listed below. (In particular, we will cover chapter 4 before chapter 3.)

1.1-1.5, 1.7-1.9, 2.1-2.3, 2.5, 4.1-4.7, 3.1-3.3, 5.1-5.7, 5.9, 6.1-6.5, 7.1, 7.4.

There may be some additional sections added during the term if time permits.

GRADING

There will be two prelims and a cumulative final exam, as well as regular homework and quizzes. The weighting of your grade will be given by:

- **Final exam: 30%**
  - **Date: TBA**
- **Prelim 1: 25%**
  - **Date: Tuesday Sept. 27, 7:30-9:00pm**
- **Prelim 2: 25%**
  - **Date: Thursday Nov. 10, 7:30-9:00pm**
- **Homework: 10%**
- **Quizzes: 10%**

All grading will be done through Gradescope.

Attendance: You are expected to consistently attend the lecture and discussion section you are registered for, although your attendance in this course will not be recorded in any way besides the quizzes you take in discussion section. Double-check your section number in Student Center (not Scheduler, as this has sent people to the wrong TAs in the past). In the event that you need to miss your discussion section meeting on a specific week, it may be an option to attend a different one (ask your TA ahead of time).

Homework: Homework assignments, due dates, and solutions will be posted on the Course Schedule. All homework must be submitted on Gradescope by the deadline, which on most weeks will be Monday at 10pm. Homework will be graded on completion, not correctness. For your homework to be considered complete, it must be legible with problem numbers clearly indicated, and you must show a reasonable effort for every problem.

Quizzes: A short 10-minute quiz will be given in discussion section most weeks, as shown on the Course Schedule. Each quiz should be closely based on the homework you submitted earlier that week, such that if you know how to do all the homework problems then you should be well-prepared for the quiz. Quizzes will be collected and uploaded to Gradescope by your TA, and will be graded on correctness.

Drop Policy: Your two lowest homework grades and your two lowest quiz grades will be dropped. This policy is meant to handle the kinds of bumps in the road that a typical student might deal with during a semester. This includes minor illnesses, mistakes, and other isolated issues. Therefore:

As a general rule, there will be no homework extensions, late submissions, or make-up quizzes.

However, if you are facing a more extensive health issue or other difficult circumstance, notify your instructors promptly. These situations will be handled on a case-by-case basis.

ED DISCUSSION

We will use Ed Discussion through Canvas as one of the main ways to communicate with each other. You are encouraged to post any questions about mathematical concepts, homework problems, practice exams, etc. there, and to answer questions and participate in discussions with your classmates. The teaching staff will try to respond to any unanswered questions or general course questions. Please use Ed Discussion instead of email whenever possible. Most questions or comments are of interest to the whole class. Examples of topics appropriate for email instead of Ed Discussion would be personal issues that should only be seen by the professor or your TA.

ACADEMIC INTEGRITY

Each student in this course is expected to abide by the Cornell University **Code of Academic Integrity (https://theuniversityfaculty.cornell.edu/dean/academic-integrity/code-of-academic-integrity/)** . See **here (https://theuniversityfaculty.cornell.edu/dean/academic-integrity/)** and watch this **video (https://cheatingvideo.provost.cornell.edu/)** for more information. Any work submitted by a student in this course for academic credit will be the student's own work.

You may discuss homework problems with your peers, but you must write your own solutions independently. You must not submit work based on solutions written by others or available online.

Course Summary:

Date	Details	Due
Sat Sep 3, 2022	📅 **MATH 2940 Linear Algebra for Engineers (2022FA) - Office Hour - Trang (https://canvas.cornell.edu/calendar?event_id=806669&include_contexts=course_42136)**	1pm to 3pm
Sat Sep 10, 2022	📅 **MATH 2940 Linear Algebra for Engineers (2022FA) - Office Hour - Trang (https://canvas.cornell.edu/calendar?event_id=806670&include_contexts=course_42136)**	1pm to 3pm
Sat Sep 17, 2022	📅 **MATH 2940 Linear Algebra for Engineers (2022FA) - Office Hour - Trang (https://canvas.cornell.edu/calendar?event_id=806671&include_contexts=course_42136)**	1pm to 3pm