

Course introduction

MATH 2250 Lecture 00

August 19, 2019

Instructor

- Akil Narayan: contact info on syllabus
- Lectures and overall course direction

Teaching assistants

- Junpeng Jiao
- Catherine Warner
- Lab sections

+ homework graders

Differential Equations and Linear Algebra

- DE's: the language of many physical/biological/chemical models
- This class: compute explicit solutions
- LA: the language of scientific computing/data science/machine learning
- This class: basic concepts

These concepts are foundational to a technical understanding of any engineering field.

Prerequisites

- Differential and integral calculus
- Basic knowledge of kinematic physics

These are not optional.

Fluency in calculus is assumed.

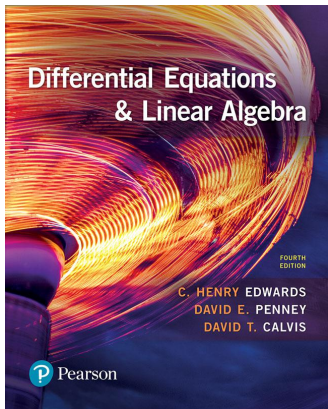
Prerequisites

- Differential and integral calculus
- Basic knowledge of kinematic physics

These are not optional.

Your success in this class depends on knowledge of these topics.

Fluency in calculus is assumed.



The textbook is **required**.

Inclusive Access : access via Canvas, you will be charged \$76

You must opt out if you wish to obtain the book another way.

If you wish to opt out, see instructions on the Canvas textbook module, or on the course webpage.

Graded components

Your grade is affected by:

- Homework
- Lab assignments
- 3 midterm exams
- 1 final exam

Assigned weekly (during class, online)

- 20% of your grade
- Focus: mathematical tasks and operations
- Collected in lab sections (Thursday)
- Graded via: 50% completeness, 50% correctness
- Lowest homework score is dropped

Lab assignments

Assigned weekly during lab section

- 20% of your grade
- Focus: modeling and problem solving
- Collected in lab sections (Thursday)

3 midterm exams

- 30% total of your grade
- Fridays: September 6, October 4, November 8
- In-class
- Tests recent material: not cumulative
- No book, notes, or calculator

1 final exam

- 30% of your grade
- Wednesday, Dec 11, 8am-10am, JWB 335
- same rules as midterm, except is a cumulative exam

There are three major ways I will communicate with you:

- In class
 - ▶ assignments, due dates
 - ▶ course content
 - ▶ informal announcements
- Email
 - ▶ schedule changes
 - ▶ notification of assignments
- Website: <http://www.sci.utah.edu/~akil/math2250>
 - ▶ assignment postings
 - ▶ miscellaenous course materials
- Canvas:
 - ▶ grades
 - ▶ textbook (electronic version via inclusive access)

Important miscellany

- student integrity
- disability services
- sexual misconduct
- diversity and inclusivity
- undocumented student support
- veterans support
- student wellness

You should always feel comfortable asking questions in person/via email about course policies, grading, etc., but....

During the semester, before asking a question about course policies, **read the syllabus.**

What is my grade?

Can I get a B?

What do I have to do to get an A?

Read the syllabus.

You do not need help to answer most of these questions.

The Math Center will reopen for Fall semester on August 19

Math Center Fall Hours

Monday - Thursday 8:00 AM - 8:00 PM
Friday 8:00 AM - 6:00 PM

CLOSED ON THE FOLLOWING DATES:

Labor Day: Monday, September 2

Fall Break: Monday-Friday, October 7-11

Thanksgiving Break: Thursday, Friday, November 28 and 29

<https://www.math.utah.edu/undergrad/mathcenter.php>

Located in the basement area connecting JWB and LCB.

The tutoring center is free.

Check the schedule online to determine when a tutor for 2250 is available.