

Syllabus for MA 26500: Linear Algebra

Fall 2023, Section 704

August 1st, 2023

1 Coordinated Aspects

This is a section of a coordinated course. Please see the department webpage for MA 265 (link below) and the ground rules of the course.

Link: math.purdue.edu/academic/courses/semester/202410/ma26500/

2 Course Information

MA 26500: Linear Algebra

Lecture: MWF, 8:30 AM to 9:20 AM in UNIV 119

Office Hours: MF, 9:30 AM to 11:00 AM in MATH 445

Link: math.purdue.edu/~sahay5/fall2023/ma26500/

CRN: 25010

Instruction Modality: Face-to-Face

Credit Hours: 3.00

3 Instructor

Anurag Sahay

Email: anuragsahay@purdue.edu

Office: MATH 445

4 Grader

Marissa Munoz

Email: munoz118@purdue.edu

5 Textbook and Requirements

The textbook for the course is *Linear Algebra and its Applications* (6th Edition) by David C. Lay, Steven R. Lay, and Judi J. McDonald.

MyLab is required for this course; it shall be used for online homework. An e-copy of the textbook is available on MyLab; a hardcopy of the textbook is not required.

6 Course Description

MA 26500 is a computational introduction to linear algebra, i.e., to the theories of linear equations, matrices and vector spaces. Linear algebra plays a fundamental role in science, engineering and the social sciences, and this course will provide the student a firm basis for the use of such.

Topics include systems of linear equations; matrix algebra; vector spaces; determinants; eigenvalues and eigenvectors; diagonalization of matrices; and applications.

Not open to students with credit in MA 26200, 27200, 35000 or 35100.

7 Ground Rules and Brightspace

For information on the following, please consult the ground rules: Learning Resources, Homework, Exams, Grades, Important Dates, Accommodations for Students with Disabilities, Academic Integrity, Attendance Policy, Classroom Guidance regarding *Protect Purdue*, Mental Health/Wellness Statement, Nondiscrimination Statement, Commercial Note Taking in Classes, Course and Instructor Evaluations, and Other Issues.

For information on the following, please consult the Brightspace webpage for the course: student support resources and university policies and statements.

More information on some of these topics is below.

8 Schedule

The detailed schedule is available on the section webpage.

9 Students with Disabilities

Purdue University strives to make learning experiences accessible to all participants. If you anticipate or experience physical or academic barriers based on disability, you are welcome to let me know so that we can discuss options. You are also encouraged to contact the Disability Resource Center at: drc@purdue.edu or by phone at 765-494-1247.

If you have been certified by the Disability Resource Center (DRC) as eligible for accommodations, you should contact your instructor to discuss your accommodations as soon as possible. Here are instructions for sending your Course Accessibility Letter to your instructor: <https://www.purdue.edu/drc/students/course-accessibility-letter.php>

10 Homework

There are two forms of homework for this course: online assignments and written assignments. There will typically be one online assignment and one written assignment due the day after every class. Please see the detailed schedule on the section webpage for exact deadlines.

- There are 36 written homework assignments. The three lowest written homework scores will be dropped from your final grade.
- There are 35 online homework assignments. The three lowest online homework scores will also be dropped.
- The handwritten homework problem list is available on the coordinated departmental webpage. You can also find it on the section webpage.
- Online assignments are to be completed on MyLab.
- Written assignments are to be uploaded on Gradescope.
- Late homework will not be accepted except in cases of University approved reasons.