

COURSE DESCRIPTION

ALGEBRA I: LINEAR, MA-434-534 OXA, SUMMER 2024

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF ALABAMA AT BIRMINGHAM

Course Instructor: Dr. Nandor Simanyi

Office: UH 4014

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Office Hours: Tuesday and Thursday 2:00--3:00 PM
(or by appointment)

Class meeting times: Tuesday, Thursday, 3:00--5:00 PM

Meeting location: UH 4002

Prerequisite: Grade of C or better in MA 126.

Credits: 3 semester hours

Textbook: Elementary Linear Algebra by Howard Anton and
Chris Rorres, 11th Edition. Wiley & Sons.

Topics to be covered can be found in Chapters 4 – 8,
including methods of proof. (See below for more detail.)

Learning outcomes: By the end of the course students will learn how
to efficiently solve large systems of linear equations, and how to
use large matrices to achieve the above goal. They also learn how
to transform matrices, operate with matrices, and how to apply their
knowledge to solve several real life problems.

Some Important dates:

June 4 Class Begins

June 3 1st Payment Deadline (50% Account Balance Due);

June 3 - 10 Registration After Classes Begin

June 10 Last Day to Drop/Add (Without paying full Tuition & Fees)

June 10 Last Day to Submit Graduate & Undergraduate Application for Degree

June 18 Last Day for full-term withdrawal 75% refund. (Must withdraw from all courses)

June 19 Juneteenth Holiday

June 24 Last Day for full-term withdrawal 50% refund. (Must withdraw from all courses)

July 4 Independence Day Holiday

July 5 Last Day for full-term withdrawal 25% refund. (Must withdraw from all courses)

July 8 Final Payment Deadline. Failure to meet payment deadline results in the assessment
of a \$50 late fee

July 12 Last Day to withdraw from a course with a Grade of "W"

Aug 2 Last Day of Class

Aug 2 Last Day to withdraw for the term (Must withdraw from all courses)

August 8, 4:15 PM – 6:45 PM Final Exam

Course policies:

- Please make sure that you are able to receive e-mail through your Blazer-ID account. Official course announcements will be sent to that address.
- If you wish to request a disability accommodation please contact DSS at 934-4205 or at dss@uab.edu.
- Turning in the homework is required. Students in MA 534 will have additional assignments.
- If a test is missed due to a serious verifiable circumstance or official university business, the test grade will be replaced with the properly rescaled final exam score. You must contact the instructor of such circumstances before the exam takes place.
- No books, notes, or calculators will be allowed during any of the tests or quizzes.
- Class attendance: If you miss more than 5 classes unexcused, you will be assigned a grade "F".
- Your course performance is based on the following grading scheme:

Homework: 25 %
Two Tests: 20 % each
Final exam 35 %

- Your final grade is determined according to the following table:

88-100 A
75-87 B
62-74 C
50-61 D
below 50 F

Sections to be covered:

- Chapter 4: 4.1 – 4.10
- Chapter 5: 5.1 – 5.2
- Chapter 6: 6.1 – 6.2
- Chapter 7: 7.1 – 7.3
- Chapter 8: 8.1 – 8.3