

Introduction to Linear Algebra: MA-260 2F
Fall 2024

Class meets: TR 3:30 pm–4:45 pm, HHB 221

Instructor: Dr. Nandor Simanyi

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Office hours: TR 2:00 pm–3:00 pm and by appointment.

Textbook: Elementary Linear Algebra, 11th Edition By Howard Anton and Chris Rorres, Wiley, 2013, 2014. Sections 1.1-1.8, 2.1-2.3, 3.1-3.3, 4.1-4.6, 5.1-5.2.

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.

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All University faculty, instructors and teaching staff have the academic freedom to explore, discuss, and provide instruction on a wide range of topics in an academic setting. This class may present difficult, objectionable, or controversial topics for consideration, but will do so through an objective, scholarly lens designed to encourage critical thinking. Though students may be asked to share their personal views in the academic setting, no student will ever be required to assent or agree with any concept considered "divisive" under Alabama law, nor penalized for refusing to support or endorse such a concept. All students are strongly encouraged to think independently and analytically about all material presented in class and may express their views in a time, place, and manner, consistent with class organization and structure, and in accordance with the University's commitment to free and open thought, inquiry, and expressions.

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fostering a respectful, accessible and open campus environment. We value every member of our campus and the richly different perspectives, characteristics and life experiences that contribute to UAB's unique environment. UAB values and cultivates access, engagement and opportunity in our research, learning, clinical, and work environments. Our College of Arts and Sciences aims to create an open and welcoming environment and to support the success of all UAB community members.

The textbook and the lectures are posted at

<https://people.cas.uab.edu/~simanyi/teaching/MA-260-2024/>

Grading policy: There will be two Midterm Tests, weekly assigned homework and the Final Exam. Each of them will be evaluated between 0% and 100%. There will be no make-up tests. 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.

Class attendance: If you miss more than 5 classes unexcused, you will be assigned a grade "F".

The final grade is calculated as follows:

Two midterm tests : 15% each, Final Exam : 40%,

Weekly assigned homework: 30%. The grades are calculated as follows:

A ≥ 88%, B ≥ 75%,

C ≥ 62%, D ≥ 50%.

Tentative exam dates:

Test 1: October 3.

Test 2: November 7.

All tests in this course are closed-book and closed-notes. No calculators can be used.

Final exam: Tuesday, December 10, 4:15 PM – 6:45 PM.

Welcome to MA 260 and best of luck to you all.