

NUMERICAL LINEAR ALGEBRA

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A.A. 2024/2025

The exam consists of two components: course hands-on challenges (completed during the course) and a written test. An optional oral exam may be taken upon the student's request.

Course Hands-on Challenges

Two hands-on exercises are conducted during the course. **Course Hands-on Challenges** are designed to apply both theoretical and computational knowledge to practical scenarios. The exercises are completed in small groups (3 students per group) during the course and consist of simple tasks on practical topics. Students are required to collaborate and submit their assignments (via a Microsoft MS form) according to the following schedule:

- **Course Hands-on Challenge I:** Assigned on September 23, 2024. Submission deadline: October 7, 2024 (23:59)
- **Course Hands-on Challenge II:** Assigned on October 14, 2024. Submission deadline: October 28, 2024 (23:59)
- Groups of three students must be formed by September 22, 2024 (23:59), compiling a dedicated form.

Written Test

The written exam will be held in the computer room. It covers all theoretical and practical topics discussed in the lectures and lab sessions. Some of the questions and problems will require numerical solutions, including the implementation and programming of numerical algorithms. The exam focuses on the definition and application of key lemmas, theorems, and important examples. Light calculations may be required. The use of course materials, including books, notes, or any form of preparation aids, is not permitted.

- **First written examination session:** November 9, 2024 (morning)

Final Grade Breakdown

The final grade for the course is composed of several components, each contributing a specific percentage to the overall score. This breakdown is designed to take into account both practical application and theoretical understanding. The final grade is calculated based on the following weighted criteria.

		Assigned on	Submission deadline
Course Hands-on Challenge I	10% of the final grade	September 23, 2024	October 7, 2024 (h: 23:59)
Course Hands-on Challenge II	10% of the final grade	October 14, 2014	October 28, 2024 (h: 23:59)

Written examination	80% of the final grade	Any of the exam session	Any of the exam session
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