

MATH-251(a) - Numerical analysis

Exam modalities

December 18, 2025

The final grade assigned to this course is the grade of the written exam. The subjects that are examined are those covered during the lectures and practical sessions. The subjects that were covered during the lectures are covered in the lecture notes. However, the proofs in Section 7.1.1 of the lecture notes are given for information only: they were not covered during the lectures, and will therefore not be examined. Although the lectures are globally based on the lecture notes from last year, the treatment of several subjects slightly differs. The exam contains questions on both theory and Python implementation.

The exam takes place in rooms where each student has access to a computer from EPFL. The questions are given on paper and all answers must be written on paper. A Jupyter Notebook is accessible to help the students solve implementation questions.

The only authorized material is a personal handwritten A4 sheet, front and back; the sheet cannot be a copy of the sheet of another student. The computer can only be used to access the Jupyter Notebook. The access to the Internet is prohibited.

The concision and the quality of the writing, the clarity of the explanations, and the rigor in the reasonings are taken into account in the evaluation.