

We summarize here the basic information about the structure and regulations concerning the final exam for the course *Mathematik III*. This note should be regarded as an informal complement to the mandatory information provided in the *ETH course catalogue* and it is made available with the sole scope of helping in the process of preparation for the exam.

Structure of the exam and general regulations

- The duration of the written exam (in any session) will always be **120 minutes**.
- The time and place of the exam are solely determined by the *Akademische Dienste* department, and the instructor has no way of modifying them in order to accommodate special requests.
- During the exam no written aids nor calculators or any other electronic device are allowed in the exam room. Mobile phones must be **switched off and stowed away** in your bag during the whole duration of the exam.
- The structure of each written exam (in any session) will always be the same and is as follows:
 - **5 true/false questions** which are worth **2 points each**. Giving a **wrong answer is penalized by deducting 2 points**. In any case, the total score on the true/false questions is ≥ 0 (so, if a student chooses the wrong answer for all questions he/she will get 0 points on the exercise instead of -10).
 - **5 questions with numeric or symbolic answer** (without justification) which are worth **2 points each**. Giving a wrong answer is not penalized. Only the numeric or symbolic answer matters, we do not require any justification.
 - **2 problems** which are worth **20 points each**. Each problem will be split in multiple subproblems. The solutions to the problems have to be properly justified. The sole indication of an unjustified answer has essentially no value. It is fine and allowed to use theorems/statements proved in class without reproving them, but you may be required to provide a precise statement of the result in question.
- Each problem is graded by two independent graders and is assigned a final evaluation once the two graders reach a consensus.
- If sum of your scores is s , then your final grade in the exam will be *bounded from below* by $\frac{s}{10}$. (I am writing *bounded from below* rather than *equal to* because the final grade distribution may be subject to a renormalization due to a number of factors that are a priori rather unpredictable. However, in the phase of preparation for this exam, it is advisable to assume that your final grade will be actually equal to the

formula provided above.) For instance, gaining at least 58 points ensures the top grade 6.0.

Practical rules during examination

- Be punctual and wait at the door until we let you in.
- Put your student identity card onto the table.
- You are not allowed to use your own paper. You will be provided with 10 A4-paper sheets and you will be allowed to ask for more.
- Write with blue or black pens.
- **Do not use pencils, erasable pens, red or green ink, and do not use Tipp-Ex.**
- Write the solutions to the problems directly on the exam pages (there will be 4 pages per problem). Do not write the solutions on separate paper sheets.
- Leave enough (≈ 3 cm) empty space on the margins (top, bottom and sides).
- Please write neatly! If something is not readable, we will unfortunately have to ignore it.