

Course requirements for Measure theory, fall semester, 2020/21:

1. To be eligible to take the exams at the end of the semester you will first need to fulfill the following requirements (so-called “**audit requirements**”):

-- Scoring at least 40% on the midterm test. The midterm test will take place around the end of October. In case of failure you can repeat the test once in the last week of the semester. In case of further failure, you can still repeat the test once more in the first week of the exam period (but some administration and payment is necessary for this; please ask the details in class). MT denotes your percentage score on the midterm test.

-- There will be 5 sets of some homework exercises to submit in writing (about one submission every 2-3 weeks). HW denotes your percentage score on the submitted homework exercises. You need to achieve at least 50%.

(Besides these, further homework exercises will be given regularly in class. You are encouraged to solve as many as you can, and we will discuss most of them later in class.)

The real significance of fulfilling the audit requirements is that if you happen to fail the exams, you don't need to go through all the tests and short-tests again next year: you can proceed directly to the exams. But if you do not fulfill the audit requirements above, you will need to start from scratch next year.)

2. Beyond the audit requirements above, you will need to take exams at the end of the semester in order to get a **class grade**.

-- The written exam will be 120 minutes long. It consists of 20 true/false questions from the theoretical material, and 4 exercises to solve. You need to score at least 40% on each part. ET denotes your percentage on the theoretical part, while EP your percentage on the practice exercises.

-- Your scores will be weighted by the following formula:

$$\text{Final score} = 0.25 \text{ MT} + 0.25 \text{ HW} + 0.25 \text{ ET} + 0.25 \text{ EP}$$

Your preliminary grade will be determined by your final score as follows:

0-39 Grade 1 (fail)

40-54 Grade 2

55- 69 Grade 3

70- 84 Grade 4

85-100 Grade 5

- Your final class grade will be determined at the oral exam. In the oral exam you will be asked questions about the theoretical material.