

Foundations of Mathematical Analysis, 7.5 hp

Exam & Grading Policy

Dates

The course-page will be opened by the beginning of week 22. The course starts on week 23, and will be finished by week 33.

Examination

The grade of the course (**G**) will be over 30 points ($0 \leq \mathbf{G} \leq 30$).

All students should take a written exam, which will consist of up to 5 problems. The score obtained in the written exam (**W**) will give a maximum of 24 points ($0 \leq \mathbf{W} \leq 24$).

Those students that obtain a score greater than 21 in the written exam ($21 \leq \mathbf{W} \leq 24$) have the right to take an oral exam. The score of the oral exam (**O**) will give a maximum of 6 points ($0 \leq \mathbf{O} \leq 6$).

During the course three homework will be released, so that each student can obtain bonus points (**B**). Each homework will be graded over 1 point, so that a maximum of 3 bonus points can be obtained ($0 \leq \mathbf{B} \leq 3$).

- If a student obtains a score smaller than 21 in the written exam ($0 \leq \mathbf{W} < 21$), the grade will be given by

$$\mathbf{G} = \mathbf{W} + \mathbf{B}.$$

- If a student obtains a score greater than 21 in the written exam ($21 \leq \mathbf{W} \leq 24$), the grade will be given by

$$\mathbf{G} = \min(\mathbf{W} + \mathbf{B}, 24) + \mathbf{O}.$$

The written exam

The final written exam will take place on **Wednesday 9/8 14:00 - 19:00**.

A resit exam will take place within a month after the date of the exam. The exact date will be announced in due time in the course-page.

The written exam will comprise both theoretical and practical questions. It is planned to consist of up to six problems.

If you don't have the possibility of taking the exam in Stockholm read the following page (In Swedish). Recall to sign-up for the written exam (at the SU campus) at least 10 calendar days before the date of the exam.

The oral exam

A day after the grading of the written part is finished, a list of preliminary grades will be published in the course-page. Those that obtain at least 21 marks in the written exam, have the right to do an oral exam to have the chance to achieve grades B or A. To exercise that right, the qualifying students may fill in a request. The specific way and deadlines will be announced in the course-page in due time during the term.

The oral exam will take place the week after the written exam, and it will give up to 6 points. The planned dates are Thursday-Friday, 17-18/8.

A list of topics for the oral exam are published in the course-page.

The homework part

The homework part consists of three sets of exercises to be handed-in in a written form before the designated dates. The different homework, alongside some suggested exercises will be published in the course-page. The intended days for releasing each homework and the respective hand-in dates are:

Homework	(Content span)	Release-Date	Hand-in date
Homework 1	(Week 23-Week 25):	Sunday 18/06	Monday 03/07
Homework 2	(Week 23-Week 27):	Sunday 02/07	Monday 17/07
Homework 3	(Week 23-Week 29):	Sunday 16/07	Monday 31/07

Every handed-in solution should consist of a single pdf file, and must be typed in L^AT_EX (a good and free of charge tool for typing in latex is www.overleaf.com). The handed-in homeworks, should be submitted by using the submission system that will be found in the course-page.

Grading scores

Grade A: at least 90% of the points	Grade C: at least 70% of the points	Grade E: at least 50% of the points
Grade B: at least 80% of the points	Grade D: at least 60% of the points	Grade F: Less than 50% of the points

Grading Criteria

A The student shows in the examination full command of the subject, and is very well able to give a very detailed account of the notions, results and proofs, as well as to provide fully detailed solutions to simple problems. When confronted with complex problems, that require high creativity and full overview of the material, the student can give well motivated answers.

B The student shows in the examination full command of the subject, and is very well able to give a very detailed account of the notions, results, and proofs, as well as to provide fully detailed solutions to simple problems. The student does not however fulfil the conditions for getting grade A. When confronted to complex problems, the student's knowledge appears to be less extensive.

C The student shows in the examination very good command of the subject, and is able to give a detailed account of the notions, results and most of their proofs, as well as to provide detailed solutions to simple problems. The student however does not fulfil the conditions for getting a higher grade.

D The student shows in the examination very good command of the subject, and is able to give an account of the notions, results and most of their proofs, as well as to provide coherent solutions to simple problems. The student does not fulfil the conditions for getting grade C or higher.

E The student shows in the examination good command of the subject, and is able to give an account of the notions, results and some of their proofs, as well as to provide coherent solutions to simple

problems, with only minor flaws. The student does not fulfil the conditions for getting grade D or a higher.

Fx The student shows in the examination some command of a large part of the the subject, and is able to give an account of most of the notions, results and their proofs, and provide reasonably coherent solutions to simple problems, with some flaws. The student does not fulfil the conditions for getting grade E or higher.

F None of the requirements for A-E are completely satisfied.

Monitoring

Any question regarding the course material, doubts or enquiries shall be written preferably in the general course-forum, and those of a more private nature, by using the message system in the course-page. Email messages concerning the course content are strongly discouraged, and would be preferred them to be posted in the course forum for public discussion. The general forum will be regularly monitored by the teachers, and questions posted there will be answered accordingly.

Salvador Rodriguez-Lopez

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