

Guide to the exams in Complex Analysis in 2009

The exams last 3 hours.

In the first 90 minutes you are not allowed to use any written material. There will be questions about definitions, concepts and theorems in the text. You can be asked to prove small results illustrating your understanding of the course or to prove major theorems from the text. In order to keep your preparations for the exam within reasonable time limits, you will only be asked about complete proofs among the following 15 key results:

Theorems 1.12, 1.15, Lemma 2.12, Lemma 3.2, Theorems 3.8, 4.8, 4.17, 4.22, 5.16, 5.17, 6.1, 6.21, 7.1, 8.1, 9.7.

After 90 minutes your answers will be collected and for the next 90 minutes you will be allowed to use your notes, books, pocket calculators etc. During this second half of the exam you will be asked to solve problems similar to the exercises of the lecture notes and to problems from previous exams in complex analysis.