

Textbook: L.V. Ahlfors, Complex Analysis : An Introduction to the Theory of Analytic Functions of One Complex Variable, New York : McGraw-Hill

Topics Covered: Complex numbers and their geometry, with emphasis on the conformality of the stereographic projection, Analytic functions; Conformal mappings, subharmonic functions, Cauchy's theorem and consequences;
Singularities and expansion theorems; Maximum modulus principle;
Residue theorem and its application to computations of real integrals and summation of series.

In the last two weeks, the students were asked to make presentations, based of topics chosen from the syllabus.

10 sets of exercises were given. There was one mid term and a final exam.

Grading Policy: Assignments and Presentations 20%

Mid Term Exam: 30%

Final Exam : 50 %

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