

Complex Analysis II

Syllabus

Prerequisites. Complex Analysis I, Real Analysis I.

Course Description. Mittag-Leffler theorem; analytic continuation and Riemann surfaces; the range of analytic functions, the Picard theorem; the gamma function and the Riemann zeta function; entire functions; properties of conformal maps; Hardy classes.

There will be home work assignments and a take home final exam.

Office hours: Tue, Th 10:15–11:00, A202.