Math 246C, Complex Analysis
Spring 2012
Course Information

Class Hours: MWF 11am–11:50am, MS 5217.

Textbook (optional)**:** J.B. Conway, Functions of one complex variable I, 2nd ed., Springer, New York, 1978.

Instructor: Mario Bonk

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Tentative office hours:

Wednesday 1pm–2pm,
Thursday 2pm–3pm,
and by appointment

Grading: The course grades are based on:

Homework: 30%
One midterm: 30%
Final: 40%

For passing the course it is necessary to turn in homework regularly and to show sufficient effort in solving the homework problems. Failure to turn in three homework assignments will lead to a failing grade.

Final exam: June 13, 8-11 am, MS 5217.

Prerequisites: The class is based on the classes Math 246A and Math 246B. The material covered in Math 246A and Math 246B can be found in the notes on the class-webpage for this course.

Course material: Characterizations of simply connected regions, inhomogeneous Cauchy-Riemann equation, Mittag-Leffler theorem, infinite products, elliptic functions, analytic continuation, monodromy theorem, Poisson representation, Dirichlet problem, subharmonic functions, Harnack's inequality, plane topology.