Math 246A, Complex Analysis
Fall 2013
Course Information

Class Hours: MWF 2–3pm, MS 6627
Instructor: Mario Bonk
Office: MS 6137
Phone: 825-4948
E-mail: mbonk@math.ucla.edu
Office hours: Tu, 2–3pm; We, 3pm–4pm; Th, 2–3pm; and by appointment.
Course web-site: http://www.math.ucla.edu/~mbonk/246a.1.13f/

Grading: There will be weekly homework, one midterm, and a final exam. This will be weighted towards the course grade as follows:
   Homework: 30%
   Midterm: 30%
   Final: 40%
For passing the course it is necessary to turn in homework regularly. Homework will usually be due on Fridays before class. No late homework will be accepted. Failure to turn in three homework assignments will automatically result in a failing grade.
Final exam: Thursday, December 12, 2013, 11:30am–2:30pm.
Course material: Algebraic and topological properties of the complex numbers, holomorphic functions, Cauchy-Riemann equations, harmonic functions, path integrals, power series, Cauchy’s integral theorem, maximum principle, uniqueness theorem, local mapping properties of analytic functions, Möbius transformations, isolated singularities, residue theorem.