Syllabus for MA 412 B1 Complex Variables

Summer II 2008

Instructor: Sebastian M. Marotta
Office: MCS B 44
Phone number: 617-353-9547
Email address: smarotta@math.bu.edu
Class meetings: Mondays, Tuesdays, Wednesdays and Thursdays 9:00 to 11:00am. in MCS B 23.
Office hours: Mondays and Wednesdays 1:00 to 2:30 pm.


Description: Basic concepts, results, and applications of complex analysis. Emphasis on computation and applications. Complex plane and functions, differentiability, Cauchy-Riemann conditions, contour integrals, Cauchy formulas, complex series, residue calculus, applications. Extends the concepts of the calculus to the complex setting.

Prerequisites: CAS MA 225 or CAS MA 230.

Homework: There will be homework assigned each class. It is essential that you complete the homework assignments as preparation for the tests.

Grading Policy: There will be three midterms and a final exam on the following days:

1st Midterm: Tuesday July 8
2nd Midterm: Thursday July 17
3rd Midterm: Tuesday July 29
Final Exam: Thursday August 7

The Final exam counts for 25% of the grade. Your lowest score on the midterms will count 10% and each one of the other two will count 20% of your grade. Homework will count 20% and attendance 5% of the final grade. No make up examinations will be given.

Conduct Code: Students are expected to know and understand the provisions of the CAS Academic Conduct Code with respect to cheating and plagiarism.