Complex Analysis - Math 440/508
Fall 2012

- *Instructor: Malabika Pramanik*

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- *Office hours: To be announced.*

- **Web page :** The course website is

  http://www.math.ubc.ca/~malabika/teaching/ubc/fall12/math440-508/index.html

Homework assignments and all relevant course information (such as changes to office hours if any, or solutions to homework problems if needed) will be posted here.

- **Text :** *Complex Analysis* by Elias Stein and Rami Shakarchi. The textbook is available online at UBC Library.

- **Pre-requisite:** Math 300 (or equivalent) and a score of 68% or higher in Math 320.

- **Course outline :** The UBC course description is as follows:
  - The residue theorem
  - The argument principle
  - Conformal mapping
  - The maximum modulus principle
  - Harmonic functions
  - Representation of functions by integrals, series, and products
  - Other topics at the discretion of the instructor.

The core topics of this course are contained in Chapters 1, 2, 3 and 8 of the textbook. Time permitting, we will also consider other special topics.

- **Lectures :** Monday, Wednesday, Friday 11 am - 12 noon in Mathematics 105.

- **Grading Policy :** Homework problems will be posted regularly on the course website. In addition, there will be a takehome midterm and a takehome final. You total score will be a weighted average of your homework, midterm and final scores, with the breakdown as follows.

Homework	50%
Midterm	25%
Final exam	25%