Complex Analysis - Math 440/508  
Fall 2014

- **Instructor:** Malabika Pramanik  
- **Office:** Mathematics Building, Room 214  
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- **Office hours:** To be announced.

- **Web page:** The course website is  
  http://www.math.ubc.ca/~malabika/teaching/ubc/fall14/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 Annex 1118.

- **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%