Complex Analysis - Math 440/508
Fall 2008

- *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/fall08/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 T. Gamelin.

- **Course outline :** The core topics of this course are
  - Residue Calculus
  - Argument Principle
  - Harmonic functions
  - Conformal mappings
  - Riemann mapping theorem
  - Representation of functions by integrals, series and products.

Time permitting, we will also consider other special topics.

- **Lectures :** Monday, Wednesday, Friday 11 am - 12 noon in Mathematics Annex 1102.

- **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%