

Math 4156/9056 B Winter 2010
Complex Analysis I
Syllabus

Coordinates: Tuesdays and Thursdays 12:00 - 1:30 PM in MC 108.

Instructor: Rasul Shafikov, MC 112, shafikov@uwo.ca (emails will be answered within 48 hours).

Office Hours: TBA.

Textbook: *Complex Analysis* by T. Gamelin published by Springer (UTM series). The book is available at the Western bookstore.

Course web page: <http://www.math.uwo.ca/~shafikov/4156/>

Visit this page for up to date information on the course.

Course Description: This is a continuation of Math 3124. We will cover the second part of the textbook which includes Rouché's theorem, the Schwarz reflection principle, the Riemann mapping theorem, and other topics.

Prerequisites: Sufficient background in one complex variable.

Homework: There will be 4 or 5 homework assignments. These will include routine exercises as well as some challenging problems.

Examination: There will be a final exam at the end of the semester. The exam will be open books, open notes. Graduate students may be given additional problems.

Evaluation:

- (1) Homework = 70%,
- (2) Final = 30%.