

*Welcome to*  
**MATH 3171 - Complex Analysis**  
*Fall term 2015*

**INSTRUCTOR:** Dr. Monica Ilie

- **Contact info:** RB 2019 ★ ph: 766-7224 ★ *milie@lakeheadu.ca*
- **Office hours:** Monday/Wednesday 1:30-2:30 (or by appointment)

**COURSE OBJECTIVES** At the end of this course you will know how to work with a large class of complex functions, be able to analyze their properties (analyticity, differentiability, continuity) as well as integrate them on contours. You will have a good grasp of the connections between complex and real analysis, how the former is built upon the latter, as well as that of using complex analysis to compute integrals of real functions.

**COURSE INFORMATION:**

- **Class time:** Monday/Wednesday 11:30-1:00 (RB 2026)
- **Required Textbook:** *Complex variables and applications* by James Ward Brown and Ruel V. Churchill
- **Website:** <http://flash.lakeheadu.ca/milie/Math3171.html>
- **Grading:** Your final grade will be the *higher* of the two grading schemes below:

<b>Grading Scheme 1</b>	Assignments	Quizzes	Midterm	Final Exam
	10%	5%	30%	55%

<b>Grading Scheme 2</b>	Assignments	Quizzes	Final Exam
	10%	5%	85%

- **Midterm:** Tuesday Wednesday, October 28, 2015(in class)

**SYLLABUS**

The topics to be covered are, tentatively the following: Chapter 1 - Chapter 7

**ASSIGNMENTS**

Homework assignments are given as topics are covered in class. The assignments are to be handed in in class. Every assignment must contain the course number, the assignment number, your name, and your student ID, and the instructors name. Homework must always be stapled together (no paper-clips, folding the pages, folders, etc. will be accepted). **Late** assignments will **not** be accepted.

## QUIZZES

Quizzes will be administered at the end of class, will be short (5 min) with one or two multiple choice questions, testing the material covered the week before. There will be approximately 10 quizzes, each worth 1%. The best 6 quizzes out of the possible 10 will count toward your fulfillment of the course requirements and the rest of them will count as bonus points (max of 3%).

## MISSED EXAM POLICIES

If you miss the midterm for a legitimate reason which you can document (e.g. doctor's note), the weight of the midterm will be *transferred* to the final exam. There will be no make-up exams! **The documented proof of absence should be provided to me no later than 10 days after the exam was written.**

*A friendly piece of advice:* don't book your plane ticket home until the exam schedule is published. A booked flight is not an acceptable excuse for missing an exam.

## CHANGING MARKS

If you disagree and/or have a problem with a particular mark on an assignment or exam, please use the following procedure. First, check your assignment/exam against the solutions. If this does not clear up any problems, on the front of the assignment/exam, please write the question number you want re-graded, and why it should be re-graded. Then hand it back in. I will then take a look at the assignment/exam and see if the mark needs to be adjusted. If there is simply an addition error with the marks, please hand it back in to me with the correct number at the top.

## LECTURE POLICIES

Attendance is not mandatory; however, it is strongly recommended that you come to class. I would appreciate the fact that you show up on time if you do decide to come to class. Arriving late disturbs both me and your fellow classmates. Also, please **turn off** your phone while in class, and **no texting**.

**IMPORTANT DATES: Friday, September 25, 2015:** final date for registration

**Friday, November 6, 2015:** last date for course withdrawal without academic penalty

**December 20, 2015:** contingency date (all exams that are missed by the closure of the university during the exam period, due to unforeseen circumstances, will be rescheduled this day)