

Welcome to
MATH 3171 - Complex Analysis
Fall term 2017

INSTRUCTOR: Dr. Monica Ilie

- **Contact info:** RB 2019 ★ ph: 766-7224 ★ *milie@lakeheadu.ca*
- **Office hours:** M 11:00-12:00 and Th 1:00-2:00 (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:** Tuesday/Thursday 8:30-10:00 (RB 2044)
- **Suggested 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 given according to the grading schemes bellow:

Assignments	Midterm	Final Exam
10%	40%	50%

- **Midterm:** Thursday, October 26 (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 collected 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.

MISSED MIDTERM 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.**

MISSED FINAL EXAM POLICIES (University Regulations)

In cases where a student misses a formal examination due to an incapacitating illness, the student must have the Certificate of Illness or Incapacitation completed by a Medical Professional and submit the completed form to Enrolment Services no later than three (3) working days after the date of the original final examination. The Certificate of Illness or Incapacitation must be dated as seen by the Medical Professional no later than one (1) working day after the examination.

In other exceptional circumstances, official supporting documentation must be provided (e.g. copy of a death certificate or letter from the funeral home).

Accommodation shall be granted only when the documentation indicates that the onset, duration and severity of the illness or other circumstances are such that the student could not have reasonably been expected to complete the examination on the scheduled date.

MAKE UP FINAL EXAM DATE:

December 18, 2017: 9:00-12:00 (this is the exam contingency date)

December 19, 2017: 9:00-12:00 (only in case the exam contingency date is used by the university)

University Regulations *Students will not be given another opportunity to write the examination if it is missed a second time. In some cases, when extraordinary circumstances beyond a student's control prevent him/her from completing the rescheduled examination, a student may be eligible to petition Enrolment Services to explain the circumstances.*

A friendly piece of advice: don't book your plane ticket home until the final 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

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.

Cellphones

I strongly recommend to turn off your cell phone or place it in your bag. Texting during class disturbs you, your colleagues and the friend you are communicating with as they might be in a class as well.

ACCOMODATIONS

Lakehead University is committed to achieving full accessibility for persons with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. If you think you may need accommodations, you are strongly encouraged to contact Student Accessibility Services (SAS) and register as early as possible. For more information, please visit: <http://studentaccessibility.lakeheadu.ca>

IMPORTANT DATES:

September 18, 2017: last day for registration

November 3, 2017: last date for course withdrawal without academic penalty

December 18, 2017: 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)