Welcome to

MATH 3032 - Complex functions and PDEs
winter term 2013

INSTRUCTOR: Dr. Monica Ilie

- **Contact info**: RB 2019 ⋆ ph: 766-7224 ⋆ *milie@lakeheadu.ca*

- **Office hours**: Wednesday 10:30-11:30, Friday 11:00-12:00

COURSE INFORMATION:

- **Class time**:

  1. **Section WA**: Tu/Th 11:30-1:00 (UC 2011)

  2. **Section WB**: Tu/Th 2:30-4:00(UC 0050)

- **Lab**: Both Sections: Tu 9:30-10:30 (RB 1042)

- **Required Textbook**: *Advanced engineering mathematics* by Dennis G. Zill and Michael R. Cullen.

- **Website**: http://flash.lakeheadu.ca/ milie/Math3032.html

- **Grading:** Your final grade will be the *higher* of the two grading schemes bellow:

Grading Scheme 1	Assignments	Midterm	Final Exam
	10%	40%	50%

Grading Scheme 2	Assignments	Final Exam
	10%	90%

- **Midterm**: Common midterm: Saturday, February 9, 2009 10:00-11:30 (room to be announced)

LABORATORY

This hour is designed for informal discussions about the material presented during the lectures. No new material will be covered.

SYLLABUS

Series solutions to ODEs, Bessel and Legendre equations and series, Fourier series, Method of separation of variables and boundary value problems in rectangular and curvilinear coordinates, Laplace and Fourier transforms. Complex functions and integrals, Cauchy's integral formula, if time permits.

COURSE POLICIES

LATE assignments will NOT be accepted. 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**.

IMPORTANT DATES

Drop date : March 8, 2013