

Welcome to
MATH 3032 - Complex functions and PDEs
winter term 2011

INSTRUCTOR: Dr. M. Ilie

- **Contact info:** RB 2019 ★ 766-7224 ★ *milie@lakeheadu.ca*
- **Office hours:** M 1:30-2:30, W 11:30-12:30

COURSE INFORMATION:

- **Class time:**
 1. **Section WA:** WF 10:00-11:30 (UC 2011)
 2. **Section WB:** MW 8:30-10:00 (BB 1075)
- **Common Lab:** M 12:30-1:30 (RB 10:42)
- **Required Textbook:** *Advanced engineering mathematics* by Dennis G. Zill and Michael R. Cullen.
- **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:** Wednesday February 16, 2011

LABORATORY

This hour is designed for informal discussions about the material presented during the lectures.

SYLLABUS

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

COURSE POLICIES

LATE assignments will NOT be accepted. There will be no make-up exams. 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. **The documented proof of absence should be provided to me no later than 10 days after the exam was written.**

POLICIES on RE-EVALUATION.

If you want part of your exam to be re-evaluated, you have to follow the following steps:

1. **Do not write ANYTHING on the midterm.** Random exams will be photocopied before handing them back.
2. Write an e-mail or letter to me explaining the dispute you have with the grading.
3. Return the midterm to me within 2 days of receipt.

IMPORTANT DATES.

- January 17, 2011: final date for registration
- March 4, 2011: final date for course withdrawal without academic penalty