Mathematics 366 (Honours Complex Analysis)

Instructor:
  Professor J. A. Toth   Lectures T-TR 2:35- 3:55.
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Textbook: Complex Analysis (Princeton Lectures in Analysis II), Stein and Shakarchi..

Assignments: There will be written assignments that are to be handed-in in class. **Please note: As a rule, late homeworks will not be accepted.**

Midterm Test: There will be a midterm examination in class on October 25, 2012.

Syllabus: The course will cover functions of a complex variable, Cauchy-Riemann equations, Cauchy's theorem and its consequences. Additional topics include uniform convergence on compacta, Taylor and Laurent series, open mapping theorem, Rouché's theorem, the argument principle, calculus of residues and conformal mappings.

Grading Scheme:

  Final mark $= \max(60\%\text{final} + 30\%\text{midterm} + 10\%\text{homework}, 90\%\text{final} + 10\%\text{homework})$.

Statement on Academic Integrity: McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see www.mcgill.ca/integrity for more information).

In accord with McGill University's Charter of Students' Rights, students in this course have the right to submit in English or in French any written work that is to be graded.

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.