

Mathematics 316 (Complex Variables)

Instructor:

Professor J. A. Toth Lectures T-Th 11:35- 1:00.
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Textbook: Complex Analysis (A Physical Approach with MATHLAB) by S. Krantz (Chapman and Hall/CRC).

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

Midterm Test: There will be a midterm examination in class on October 23, 2014.

Syllabus: The course will cover the algebra of complex numbers, Cauchy-Riemann equations, complex integrals, Cauchy's theorems. Taylor and Laurent series, residue theory and applications.

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.