

Complex Variables, 62-318

Winter 2016

Instructor: Dilian Yang

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Classes: Tuesday, Thursday: 10:00am-11:20am (Dillon Hall, **Room 361**)

Tutorial: Friday: 9:30am-10:20am (Dillon Hall, **Room 361**)

Office Hours: Monday and Wednesday: 3:00pm - 4:00pm, or by appointment.

Course Content: Complex Numbers; Roots, Logarithms, and Powers; Sequences; Power Series; Analytic Functions; Exponential, Trigonometric, and Logarithmic Functions; Conformal Transformations; Complex Contour Integration; The Cauchy's Theorems; Taylor Expansions of Analytic Functions; Laurent Expansions and Isolated Singularities; The Cauchy's Residue Theorem.

Textbook: *Complex Variables*, Lecture Notes by Dr. M. Monfared.

Grading: There are 2 midterm exams, which are given on February 23 (Tuesday) and March 22 (Tuesday) during the lecture time.

Final exam (50%), midterm exams (50%).

Final Exam: April 12 (Tuesday): 8:30am-11:30am; Location: TBA.

Note: There are *no make-up exams*. Should you miss some exams due to illness, the weights of those exams are transferred to the final exam if you provide the filled Medical Forms.

Medical Form: This is the form you **MUST** use if you are ill for a test/midterm exam. You have to bring it with you to the doctor and have it completed.

Grades: In accordance with the Senate resolution of June 10, 2011, the University will adopt a 100% grading scale beginning Fall 2013.

Instructors Evaluation: Student evaluations will be performed during the last 2 weeks of classes.

Academic Integrity: All incidences of cheating will be reported to the Dean for consideration of disciplinary actions as described by Senate By-law 31. Allowing and/or aiding another student to copy from your paper is also considered cheating.

Special Needs and Disabilities: Students who need special arrangements should contact the course instructor as soon as possible in order to make an appointment.

Writing Three or More Exams on the Same Day: A student scheduled to write three invigilated final examinations in one calendar day may apply to have one examination rescheduled on an alternate examination day. The determination of which examination shall be rescheduled and the date of the alternate examination (may be the last possible day of the examination period) shall be made by the Vice-Provost, Students and Registrar. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of the Registrar.

Exam Conflicts Due to Observance of Religious Holy Days: Students who are unable to write a final examination(s) during the regularly scheduled time slot because of a conflict with

religious conviction must apply for the alternative examination(s) in the course(s) involved by the end of the normal add/drop period for the particular session. The Registrar's Office will schedule the alternative examination(s) for those students in another slot(s) within the regular examination period. Please download the appropriate form from <http://www.uwindsor.ca/registrar> and submit to the Office of the Registrar.

Note: These applications must be submitted by the end of the fourth week of classes.