

**DEPARTMENT OF MATHEMATICAL AND COMPUTATIONAL SCIENCES  
UNIVERSITY OF TORONTO MISSISSAUGA**

**MAT334H5S LEC0101  
Complex Variables  
Course Outline - Winter 2019**

<b>Class Location &amp; Time</b>	Tue, 11:00 AM - 12:00 PM NE 2190 Thu, 01:00 PM - 03:00 PM NE 1170
<b>Instructor</b>	Jacopo De Simoi
<b>Office Location</b>	DH3040
<b>Office Hours</b>	Tu 3p-4p Th 11a-12p
<b>E-mail Address</b>	<a href="mailto:jacopods@math.utoronto.ca">jacopods@math.utoronto.ca</a>
<b>Course Web Site</b>	<a href="https://q.utoronto.ca">https://q.utoronto.ca</a>
<b>Teaching Assistant</b>	Mehmet Durlanik
<b>E-mail Address</b>	<a href="mailto:durlanik@math.toronto.edu">durlanik@math.toronto.edu</a>
<b>Teaching Assistant</b>	Motasem Suleiman
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### Course Description

Theory of functions of one complex variable: analytic and meromorphic functions; Cauchy's theorem, residue calculus. Topics from: conformal mappings, analytic continuation, harmonic functions. [36L,12T]

*Prerequisite:* MAT102H5, MAT232H5/MAT233H5/MAT257Y5

*Exclusion:* MAT334H1, MAT354H1, MATC34H3 (SCI)

*Distribution Requirement:* SCI

Students who lack a pre/co-requisite can be removed at any time unless they have received an explicit waiver from the department. The waiver form can be downloaded from [here](#).

### Textbooks and Other Materials

Textbook: Stephen D. Fisher. Complex Variables, second edition

### Assessment and Deadlines

Type	Description	Due Date	Weight
Term Test		2019-01-31	25%
Term Test		2019-03-07	25%
Final Exam		TBA	50%
		<b>Total</b>	<b>100%</b>

### More Details for Assessment and Deadlines

Term tests will be held in class on Thursday

### Penalties for Lateness

N/A

### Procedures and Rules

#### Missed Term Work

To request special consideration, bring supporting documentation to the instructor in person during office hours at least one week in advance.

In case of illness, bring a U of T medical certificate to the instructor within one week of the missed work. The certificate must specify the exact period during which you were unable to carry out your academic work. If a term test is missed, the weight of the other term test and/or final exam will be increased.

### Missed Final Exam

Students who cannot write a final examination due to illness or other serious causes must file an [online petition](#) **within 72 hours of the missed examination**. Original supporting documentation must also be submitted to the Office of the Registrar **within 72 hours of the missed exam**. Late petitions will **NOT** be considered. If illness is cited as the reason for a deferred exam request, a U of T Verification of Student Illness or Injury Form must show that you were **examined and diagnosed at the time of illness and on the date of the exam, or by the day after at the latest**. Students must also record their absence on ACORN on the day of the missed exam or by the day after at the latest. Upon approval of a deferred exam request, a non-refundable fee of \$70 is required for each examination approved.

### Academic Integrity

Honesty and fairness are fundamental to the University of Toronto's mission. Plagiarism is a form of academic fraud and is treated very seriously. The work that you submit must be your own and cannot contain anyone else's work or ideas without proper attribution. You are expected to read the handout [How not to plagiarize](http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize) (<http://www.writing.utoronto.ca/advice/using-sources/how-not-to-plagiarize>) and to be familiar with the Code of behaviour on academic matters, which is linked from the UTM calendar under the link Codes and policies.

### Final Exam Information

Duration: 2 hours  
Aids Permitted: None

### Additional Information

**Note on pre-requisites:** pre/co-requisites will be checked by the department during the second week of classes **If you do not have the required pre/co-requisites then you will be removed from the course at that time**. If you believe that you have the necessary background material, and are able to prove it (e.g., a transfer credit from a different university), then you should submit a 'Prerequisite/Corequisite Waiver Request Form', which can be found on the MCS website, at <https://www.utm.utoronto.ca/math-cs-stats/sites/files/math-cs-stats/public/shared/PrereqCoreqForm-2016-1.pdf>

**Submit the form to the instructor no later than January 10, 2019** You must give a **reason** for requesting a waiver. Simply submitting the form **does not** mean that you can stay in the course.

**Material that will be covered in the course: chapters 1-3 of the textbook**

Last Date to drop course from Academic Record and GPA is March 17, 2019.