

**Math 4364**  
**Theory of Complex Variables**

**Spring 2020**  
**Dr. Ryan C. Daileda**

**Course URL:** <http://ramanujan.math.trinity.edu/rdaileda/complex>

**Office Hours and Contact Information:** Consult the course web page.

**Textbook:** *Complex Analysis* by Theodore Gamelin

**Course Content:** The theory of analytic functions of one complex variable.

**Homework:** Homework will be assigned daily and will consist of reading as well as problem solving. All assignments will be posted on the course homework web page. Reading assignments are to be completed daily while written work will typically be turned in Wednesday of the following week; due dates for written work will be clearly indicated. I reserve the right to penalize or refuse to accept late assignments.

All homework assignments must be typeset in L<sup>A</sup>T<sub>E</sub>X and submitted electronically. For each assignment you will be required to submit both your compiled PDF document as well as the source code that produced it. You will be penalized if your code is haphazardly organized, or if I cannot compile it myself without errors. Handwritten homework will not be accepted.

Collaboration on homework assignments is permitted and encouraged, and you are free to consult any individual or resource that you find helpful. However, simply copying the work of another is unacceptable. Attempting to pass off the work of others (regardless of the source) as your own will be considered a violation of the honor code.

**Exams:** There will be two take-home midterm exams during the semester, as well as a cumulative final exam. Midterm dates will be announced in class and posted on the course web page.

**Use of Previous Exams:** Students are permitted to obtain and study exams given in previous semesters. However, previous exams should not be used to judge the content or difficulty of the exams that will be given in this course.

**Attendance:** Attendance is expected but is not mandatory. Roll will not be taken, but excessive absences should be explained to me.

**Grades:** Your course grade will be based upon the scores on the homework, midterm exams, and the final exam as follows:

<b>Homework</b>	30 %
<b>Midterm Exams</b>	20 % (each)
<b>Final Exam</b>	30 %

**Classroom Decorum:** Please be respectful of your classmates and myself. I encourage classroom discussion, but talking to one another without addressing the entire class is unacceptable. Using your cell phone during class is also extremely disrespectful.

**Academic Integrity:** All students are covered by the Trinity University Honor Code which prohibits dishonesty in academic work. Under the Honor Code, a faculty member will (or a student may) report an alleged violation to the Academic Honor Council. It is the task of the Council to investigate, adjudicate, and assign a punishment within certain guidelines if a violation has been verified. Students are required to pledge all written work that is submitted for a grade: “On my honor, I have neither given nor received any unauthorized assistance on this work” and their signature. The pledge may be abbreviated “pledged” with a signature.

The specifics of the Honor Code, its underlying philosophy, and the norms for sanctioning can all be found on the Academic Honor Council website, accessed through the Trinity Homepage:

<https://inside.trinity.edu/academics/academic-honor-code>

**Special Needs:** If you have a documented disability and will need accommodations in this class, please speak with me privately early in the semester so I may be prepared to meet your needs. If you have not already registered with Student Accessibility Services, contact the office at 999-7411 or [SAS@trinity.edu](mailto:SAS@trinity.edu). You must be registered with SAS before I can provide accommodations.

**Academic Support Resources:** Trinity faculty hold students to the highest academic standards, but we also know that the very best students seek out help when necessary. You can learn more at Trinity’s Academic Support Homepage:

<https://inside.trinity.edu/student-success/academic-support>