

MATH 427: Complex Analysis (summer quarter, 2018)

Instructor: Yiran Wang

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Office Hours: MW 1:30pm-2:30pm or by appointment.

TA: TBD

Textbook: *Complex Variables*, by Joseph Taylor (AMS, 2011).

Course Content: The rough plan for Math 427 is to cover the first three chapters of the text. Complex Analysis studies complex differentiable functions; that is, complex valued functions of a complex variable that are differentiable with respect to the complex variable. These functions have many remarkable properties, and possess much more structure than the real-valued differentiable functions on the line that you studied in Calculus.

Homework: Homework will be posted on the course webpage and be due on the in dedicated day. No late homework will be accepted. If you can't make it to lecture you may put your homework in my mailbox before the end of lecture; be sure to send me an email so I will look for it.

Exams: The Midterm will be on Friday, July 20, in class and the Final Exam will be on Friday, August 17, in class. You can use one page 8.5×11in note (double sided) for the exams.

Grading: Your grade for the course will be based on the combined scores from one midterm, one final, and weekly homework. The lowest homework will be dropped, and the weights that each count towards your total score are:

Category	Weights
Homework:	25%
Midterm:	30%
Final:	45%
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Total:	100%

The grade curve will be set at the end of the quarter. Normally, the median grade will be in the range of 3.0–3.2.

Advice: The best way to succeed in this course is to keep up with the lectures, by working with others, and by asking questions when you are at all uncertain of your understanding of the material. Regardless of your ability, your understanding (and very likely your grade) will be improved by asking questions to your TA or instructor.