

Instructor: Hart Smith, C-447 Padelford Hall, email: hfsmith@uw.edu

Office Hours: 4:00–5:00 pm Monday, Wednesday, Friday.

Course webpage: <https://sites.math.washington.edu/~hart/m427/>

Text: *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.

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:

Midterm	30
Final	50
Homework	20

The grade curve will be set at the end of the quarter; I anticipate that the median grade will be in the range of 3.0–3.2.

Homework: Homework will be posted on the course webpage and be due on the indicated 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 in class **Friday, November 1**, and the **Final Exam** will be **Thursday, December 12, 8:30–10:20 am**.

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 of math will be greatly improved by asking questions of your professors.

Religious Accommodation: Washington state law requires that UW develop a policy for accommodation of student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. Please see the link on the course webpage for more information about how to request an accommodation. Note that the request should be made within the first two weeks of the course.