Math 425A/575A (Winter Quarter, 2018)

- Instructor: Hart Smith, C-441 Padelford Hall, email: hfsmith@uw.edu Office Hours: 3:00-4:00 pm Monday & Wednesday & Friday. Course webpage: https://sites.math.washington.edu/~hart/m425/
- **TA:** Zihui Zhao, C-8D Padelford Hall, email: **zhaozh@uw.edu**. Office Hours: TBD
- Text: Real Mathematical Analysis, Second Edition by Charles Pugh. To download this book for free, access http://www.lib.washington.edu/math. This has to be done from the UW network. Click on "Springer Mathematics & Statistics" and type "real mathematical analysis" in the search bar. Once you find the book, click on its title to access the page that allows you to download a free pdf file. A physical copy is offered there for \$24.99 if you prefer.
- Course Content: The rough plan for Math 425 is to cover Sections 3.2–3.3, 4.1–4.5, and 5.1–5.4 as time permits.
- **Grading:** Your grade for the course will be based on the scores from one midterm, one final, and weekly homework. The lowest homework will be dropped, and your scores will be weighted as follows:

Midterm 30 Final 45 Homework 25

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 the following Monday. No late homework will be accepted. If you can't make it to lecture you may put your homework in my mailbox, or email me a pdf file, before the end of lecture; if you put it in my box be sure to send me an email so I will look for it.
- Exams: There will be an in-class Midterm on Wednesday, February 7, and the Final Exam will be Wednesday, March 14, 2:30–4:20 pm. No note sheets or calculators are allowed on any of the exams.
- 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. This is perhaps the most challenging undergraduate math sequence taught at UW; regardless of your ability, your understanding (and very likely your grade) will be improved by asking questions to your TA or professors.