

CU Denver
Spring 2020
MW 5.00-6.15

MATH 5070
Applied Analysis

Syllabus

Instructor

Florian Pfender
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Office hours: whenever my door is open, i.e. most of the time

Textbook

C. Pugh, Real Mathematical Analysis, 2nd ed.

Contents

most of Chapters 2-5: metric spaces, continuity, differentiation, Riemann integrals, function spaces

Grading policy

Graded assignments	20%
In-class exams	30%
Oral exams	20%
Final exam	30%

Homework

There will be homework assignments, and a selection will be graded. The homework grade will be a combination of the grades for the selection, and a grade for completion. Late homework will not be accepted. Up to two assignments may be resubmitted at a later time any time before finals week (note that this policy may be used to submit missed assignments).

Reading Assignments

There will be reading assignments every class, with material relevant to exams. We will not cover all material in class, make sure to clear up any questions with me outside of class.

In-class exams

There will be three in-class exams, focussing on prelim style problems of the topics discussed in the previous weeks, dates will be announced on Canvas.

Oral exams

Everyone will schedule three shorter formative oral exams with me outside of class, typically in the week before in-class exams.

Final exam

There will be one summative final exam in finals week.

Academic integrity is fully expected.

While working in study groups is highly encouraged, every student should turn in the assignment written in their own words. I am always available for help, so use it!