

Intermediate Analysis I

Fall 2014 Math 431G-001 TTH 10:20 – 11:15 (COHH 2121)

Dr. Spraker – Office COHH 3110 – Home 732-6018 – Office 745-6220

John.Spraker@wku.edu People.wku.edu/john.spraker/home.html

Office Hours:

MW 12:25-1:30, 2:45-4:00 Others by appointment or capture.
T 12:00-3:00
F 12:25-1:30

Welcome! 431 is intended to be a second course in abstract mathematical analysis. The prerequisite for it is Math 337 with a grade of C or better. I hope that this course will give you a glimpse of what techniques and thought processes are involved in doing mathematical research. Don't let that frighten you! Keep up! Do the proofs and homework carefully and come see me whenever you have problems. Office hours are your time not mine.

There will be homework assigned daily, which will be taken up occasionally and without warning. Be ready. There will be three tests and a final. There will also be a few special graduate level assignments or additional problems on your exams. Your grade will be determined as follows:

Homework	15%
Test (3)	60%
Final	25%

Textbook: **Introduction to Real Analysis by Bartle, ISBN 9780471433316**

We will discuss topics from the first 9 chapters.

The dates of the exams are as follows.

Friday Sept. 26
Friday Oct. 24
Monday Nov. 24
Final (comprehensive) Tues. Dec 9, 10:30-12:30