

Math 321

Real Variables II

2012W Term 2 Spring 2013

INSTRUCTOR INFORMATION

Instructor: [Ozgur Yilmaz](#)
Email : oyilmaz-at-math.ubc.ca
Office: Math Annex 1113
Hours: By appointment
Phone: 822-5963

COURSE INFORMATION

Section: 201

Class times and location:

Day	Start Time	End Time	Building	Room
Mon Wed Fri	9:00	10:00	Mathematics	104

Course web page: <http://www.math.ubc.ca/~oyilmaz/courses/m321/m321.html>

Text: Walter Rudin, *Principles of Mathematical Analysis*, third edition.

Other references:

- Joel Feldman, [UBC Math 321 Lecture notes and other resources](#)

Material:

1. **The Riemann-Stieltjes integral** (Ch. 6)
2. **Sequences and Series of Functions** (Ch. 7)
3. **Power Series, Special Functions and Fourier Series** (Ch. 8)
4. a supplementary topic

If you need help, or would like to discuss any aspect of this course, please make an appointment to see me in my office.

Grades

Your grade for the course will be computed roughly as follows:

Homework: 20%

Midterm: 30%

Final: 50%

There will be a **midterm** exam on **Friday, February 15** in class.

The midterm and final exams will be closed book. No formula sheets or calculators will be allowed.

If you miss the midterm exam, the grading scheme will be adjusted so that the final exam is worth more, **if you have a medical emergency and present a doctor's note to your instructor, or if you have had the instructor's prior consent. Otherwise, you will get 0 as your midterm grade.**

Homework Assignments

There will be homework collected every week (which will be posted on this web site). Late homework will not be accepted. The lowest homework grade will be dropped.

Homework 1 (due Wed, Jan 16)	Problems	Solutions
------------------------------	--------------------------	-----------

CALENDAR

Wed, Jan 2	Term starts
Mon, Feb 11	Family Day (university is closed)
Fr, Feb 15	Midterm
Feb 18-22	Winter break
Fr, Mar 29	Good Friday (university is closed)
Mon, Apr 1	Easter Monday (university is closed)
Fr, Apr 5	Last day of classes
TBA	Final Exam