

SYLLABUS: MAS241 ANALYSIS I

Class: Tuesday & Thursday, 10:30 - 12:00 AM, E11-403

Text: Introduction to Mathematical Analysis by S. Douglass

Instructor Dr. Mikyoung Lim

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CONTENTS

This course cover chapters 1-7.

Before Midterm:

Ch1 (Structure of the real numbers: Sequences),

Ch2 (Euclidean spaces),

Ch3 (Continuity),

Ch4 (Differentiation)

After Midterm:

Ch5 (Functions of bounded variations),

Ch6 (Riemann integral),

Ch7 (Riemann-Stieltjes integral)

GRADING POLICY

- Attendance (10 %), Homework and Quiz(20 %), Midterm (30%), and Final (40%)
- Homework will be assigned every two weeks on average.
- There will be two quiz before the midterm and one after the midterm.