

Math 5616H, Sec. 1: Introduction to Analysis II. Syllabus: Spring 2018

Class Times and Location:

12:20 pm – 1:10 pm MWF, VinH 206.

Instructor: Mikhail Safonov, VinH 231, tel: 625-8571, email: safon002[at]umn.edu
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Office Hours: MWF 11:15 am – 12:05 pm, or by appointment.

Textbook: *W. Rudin, "Principles of Mathematical Analysis"*, 3rd edition.

We plan to cover Chapters 5–8 of this book in details, and selected parts of Chapters 9 and 11 during Spring semester. Notes will be provided for the material not covered in the textbook.

Homeworks: There will be 5 homeworks, which are due on the following dates:

*Feb 14 (5th week), Feb 28 (7th week), March 28 (10th week, after Spring break),
April 11 (12th week), April 27 (14th week).*

Late homework will receive less than full credit, and possibly zero credit.

The grading for homeworks will be based on a selection of a few problems unknown to the class in advance (3–5 ones, depending on the difficulty).

Midterm Exam:

Wednesday, March 7 (8th week), during class time.

Final Exam:

Thursday, May 10, VinH 206, 8:00 am – 10:00 am.

Books and notes are permitted during in-class Exams. No electronic devices.

Grading: *Homeworks* - 40% of the total grade.

Midterm Exams - 20% for each one, *Final Exam* - 40%.

Missed exams: Make-up Final exams will be given to students who have a **valid** reason for missing an exam. Such students must notify their instructor prior to the exam, and the reason must be documented. There will be **no make-up Midterm exams**. A proportional part of the score for the Final exam will be used instead for students who have a valid documented reason for missing a Midterm exam.

Incompletes: The grade of **I** can be assigned only to students who have taken and passed one Midterm Exams and who have a **valid** excuse for being unable to take the Final Exam.