MATH 4007/5007/MAT 5125 – FALL 2022

MEASURE AND INTEGRATION THEORY

(Real Analysis I)

Lectures: Tuesdays and Thursdays 8:35-9:55 in SA 309

Instructor: W. Jaworski, Room 4205 HP
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Office hours: TBA

Textbook: There is no mandatory textbook. References: H.L. Royden, *Real Analysis*, 3rd or 4th edition; D.L. Cohn, *Measure Theory*.

Syllabus: Most of the material that we will cover can be found in Chapters 3,4,11, and 12 of the 3rd edition of Royden, or Chapters 2,3,4,5, 17, 18, and 20 of the 4th edition.

Prerequisites: MATH 3001, or MAT 3120, or permission of the School.

Grading scheme:

Assignments	30%
Midterm test (80 minutes)	20%
Final Exam	50%

The **midterm test** will be written on **Thursday November 3**, in the lecture time slot.

Academic accommodation on account of a disability or for other reasons can be granted only in accordance with the Academic Accommodation Policy, please see https://carleton.ca/equity/policies-procedures/. **Write** to me with any requests for academic accommodation **during the first two weeks of class**, or as soon as possible after the need for accommodation is known to exist. **Students with disabilities** who require academic accommodation should contact the Paul Menton Centre (PMC), ph. 613-520-6608, pmc@carleton.ca. Please ensure that I receive your Letter of Accommodation **no later than two weeks** before the first in-class test requiring accommodation. After requesting accommodation from the PMC, meet with me to confirm that accommodation arrangements are made. If you require accommodation for the formally scheduled December Final Examination, you must submit your request for accommodation to the PMC **no later than November 11, 2022.** For more information please see https://carleton.ca/pmc/.

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