

MATH 467 (MAST 669/MAST 837), Sec. A
Measure Theory
Winter 2017

- Instructor:** Dr. R.J. Stern, Office: LB 901-19 (SGW), Phone: 514- 848-2424, Ext. 3255
Email: ron.stern@concordia.ca
- Office Hours:** Mondays and Wednesdays, 15:30-16:30.
- Required Textbook:** *Real Analysis* by H.L. Royden and P.M. Fitzpatrick, Pearson, 2010 (4th Ed.).
- Errata:** faculty.ksu.edu.sa/fawaz/481files/Books/RAE.pdf
- Topics:** The main part of the course will consist of the following topics taken from Chapters 2-8:
- Lebesgue measure, measurable sets and functions
 - Lebesgue integral
 - Differentiation and integration
 - Lebesgue (L^p) spaces
 - Additional topics may be covered if time permits.
- Assignments:** Homework will be assigned regularly on Moodle, usually on a weekly basis, and solutions posted about a week after being assigned. Homework will not be collected, but it is strongly recommended that homework be attempted.
- Midterm Exams:** There will be two in-class tests in weeks 5 and 8.
- Evaluation:** In-class exams 20% each, final exam 60%. If it is to a student's advantage, the final exam will replace one or both midterms, and potentially be worth 100%.
- NOTE:** Graduate students will have extra problems on homework as well as on exams.