

# MATHEMATICS 3001 - FALL 2022

## REAL ANALYSIS

**Lectures:** Tuesdays and Thursdays 14:35-15:55 in CB 3400

**Tutorial:** Tuesdays 16:35-17:25 in CO 212

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

**Text:** N.L. Carothers, *Real Analysis*, Cambridge University Press, 2000

**Syllabus:** The course will cover most of what is contained Sections 1-8 of the textbook.

**Prerequisites:** MATH 2000 with a grade of no less than C-, or permission of the School.

<b>Grading scheme:</b>	Assignments	30%
	Midterm test (80 minutes)	20%
	Final Exam	50%

A Term Grade of less than 20/50 will result in an automatic failure regardless of the result of the Final Examination.

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

**Homework:** Homework will be assigned weekly on each Thursday, with a skip in the week preceding the midterm. It will be due on Fridays, eight days later. Three randomly chosen questions from each assignment will be graded. Tutorials can be used, in part, to clarify the homework questions and get hints. It is strongly advised that work on homework start well ahead of a tutorial (and the due date).

**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](mailto: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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