

MATH 365 (MATH 627)

Analysis II
Winter 2017

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Office hours: Mondays, 9:00-10:30 a.m.

Textbook: *Introduction to Real Analysis* by William F. Trench. Offered online by the American Institute of Mathematics (AIM) under the Open Textbook Initiative. Follow the instructions to download it at:
<http://aimath.org/textbooks/approved-textbooks/trench/>

Assignments: Homework will be assigned in class approximately every week and solutions must be returned the following week in class. **Late homework will not be accepted.** In the case of an absence, it is the student's responsibility to find out the homework assignment and turn in the homework on time. Students must follow the University's policy on Academic Integrity:
<http://www.concordia.ca/students/academic-integrity.html>

Midterm Test: There will be a midterm evaluation scheduled in the 7th or 8th week of classes. The exact date of the exam will be announced in class before the midterm break. **There will be no make-up midterm exam.**

Grading: 10% Assignments, 30% Midterm Evaluation, 60% Final Exam
OR
10% Assignments, 90% Final Exam

Topics: Time frame is approximate and is meant to include the midterm evaluation.

Weeks	Topics	Sections
1-5	Riemann Integration	3.1 - 3.4
6-8	Series of Real Numbers	4.3
9-10	Sequences and Series of Functions	4.4
11-12	Power Series and Taylor Series	4.5
13	REVIEW	