

**MATH 365**  
Analysis II  
*Summer 2020*

**Note:** All lectures and office hours will be held online. The mid-term and final examination will also be held online.

**Instructor:** Dr. R. Raphael  
Email: [r.raaphael@concordia.ca](mailto:r.raaphael@concordia.ca)  
**Note:** The system does not allow one to reply to emails received from Moodle. If you write, please do so from your own email account.

**Lectures:** Tuesdays & Thursdays, 10:15-12:45 PM.

**Office Hours:** Tentatively, Tuesdays, 14:30-16:30.

**Text:** *Introductory Real Analysis*, by F. Dangelo & M. Seyfried, chapters 6-9. These are available on the Moodle site for the course.

**Note:** All lectures and office hours will be held online. The mid-term and final examination will also be held online.

**Suggested References:** *Calculus*, 4th Edition, by M. Spivak.  
Note the announcement on Moodle that shows how to get Spivak online.  
*Understanding Analysis*, by Stephen Abbott.

**Assignments:** Given approximately weekly. Late assignments will not be accepted. Assignments should be submitted in pdf form to the Moodle site. An announcement will indicate how to do this. Provide complete arguments. Some assignments may not be marked.

**Midterm Test:** There will be a midterm test scheduled in the 7th or 8th lecture. There is no make-up midterm test. The test will be online.

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

If the grading scheme for this course includes graded assignments, a reasonable and representative subset of each assignment may be graded. Students will not be told in advance which subset of the assigned problems will be marked and should therefore attempt all assigned problems.

Lectures	Topics	Chapters
1-4	Riemann Integration	Chapter 6
5-7	Series of Real Numbers	Chapter 7
8-10	Sequences and Series of Functions	Chapter 8
11-12	Power Series and Taylor Series	Chapter 9
13	<b>REVIEW</b>	

#### **Academic Integrity and the Academic Code of Conduct**

This course is governed by Concordia University's policies on Academic Integrity and the Academic Code of Conduct as set forth in the Undergraduate Calendar and the Graduate Calendar. Students are expected to familiarize themselves with these policies and conduct themselves accordingly. "Concordia University has several resources available to students to better understand and uphold academic integrity. Concordia's website on academic integrity can be found at the following address, which also includes links to each Faculty and the School of Graduate Studies: [concordia.ca/students/academic-integrity](http://concordia.ca/students/academic-integrity)." [Undergraduate Calendar, Sec 17.10.2]