

# MATH 2100—ALGEBRA II

Fall 2022 and Winter 2023

**Instructor:** Paul Mezo  
4217 HP  
Tel: 520-2600 ext. 2156  
e-mail: mezo@math.carleton.ca

**Prerequisites:** i) MATH 2152 with a grade of C+ or higher, or (MATH 2107 with a grade of B+ or higher and permission of the School); and ii) MATH 1800 with a grade of C+ or higher; or permission of the School.

**Lectures:** Tuesdays and Thursdays 13:05-14:25, SA 513.

**Tutorials:** Thursdays 16:35-17:25, UC 376. I expect the first tutorial in the Fall Term to be on September 22. Stay tuned.

**Office hours:** Thursdays 14:45-15:45 4217 HP.

**Texts:** *Linear algebra done right* second edition, by S. Axler, and *Contemporary abstract algebra* tenth edition, by J. Gallian.

**Assignments:** In each term there will be 10 weekly assignments due at the **beginning of tutorials**. Only the best 8 assignments from each term will count towards the final grades. Late assignments will not be accepted. Assignments will be posted on the course website on Thursdays. There will be no assignments due on the weeks of the two tests (see below).

**Tests and Exams:** There will be two, equally weighted, 50-minute, mid-term tests scheduled during the usual tutorial times of October 20th 2022, and February 16th 2023. There will be a three-hour mid-year exam scheduled during the December examination period. The course will conclude with a three-hour exam scheduled during the usual final examination period. Please note that the exam dates cannot be changed by the instructor. If you are not able to write a test or exam **contact me immediately**.

**Grading scheme:**

- Students must achieve a grade of at least 40% in their term work (tests and assignments) in order to pass the course.

Assignments	10%
Tests	30%
Mid-year exam	30%
Final exam	30%

- The grading scheme will not be changed.

**Fall term course outline:**

Weeks	Chapters in Axler
1-2	1-2
2-4	3
4-6	5 (pp. 75-91)
6-9	6
9-11	7 (pp. 128-138, 147-150)
11-12	10 (pp. 214-216), 8 (pp. 183-187)

**Winter term course outline:**

Weeks	Chapters in Gallian
1-2	2-4
2-4	4-5
4-6	6-8
6-9	8-10
9-11	12-13
11-12	14-16

**Academic Integrity:** All tests, assignments and exams are to be done independently. Any instance of suspected cheating or plagiarism will not be tolerated. Suspected cheating will be reported to the Dean, according to the policies stated in General Regulations. For more information, see

<https://carleton.ca/registrar/academic-integrity/>

**Deferrals, Petitions and Appeals:**

Students are expected to be available for the duration of a course including the examination period. Dates and deadlines are made available to students in the Carleton University Undergraduate Calendar well in advance of registration. For more information, see

<https://carleton.ca/registrar/special-requests/deferral/>

**Pregnancy or Religious Obligation:** Contact the instructor 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. For more details see

<https://carleton.ca/edc/teachingresources/administrative-pedagogy/academic-accommodations/>

**Academic Accommodations for Students with Disabilities:** The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact the PMC at 613-520-6608 or [pmc@carleton.ca](mailto:pmc@carleton.ca) for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the

term, and no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the PMC website for the deadline to request accommodations for the formally scheduled exam. For more information, see

<https://carleton.ca/pmc/>