

MATH 470 (MAST 699/MAST 833), Sec. E
Abstract Algebra II
Winter 2021

Note: This course, midterm & final exam will be held online.

Instructor: Dr. G. Rosso
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Schedule: Wednesdays & Fridays, 10:15-11:30. Via Zoom; link will be available on Moodle and lecture will be recorded and available on Moodle.

Office Hours: Wednesdays, 14:30:15:15 or by appointment. Via Zoom; link will be available on Moodle.

Text: *Abstract Algebra*, by David S. Dummit and Richard M. Foote.
The textbook will be available at:
<https://www.bkstr.com/concordiastore/home>
Note: Students should order textbooks as early as possible, especially for printed versions in case books are backordered or there are any shipping delays.

Evaluation: Assignments 1/3 final grade, midterm 1/3 final grade, and final exam 1/3 final grade.

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.

Topics: Introduction to the theory of rings and modules: rings, ideals, quotients, ring of fractions, euclidean domains, principal ideals domain, unique factorisation domains, polynomial rings; modules and vector spaces.

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." [*Undergraduate Calendar, Sec 17.10.2*]

Behaviour

All individuals participating in courses are expected to be professional and constructive throughout the course, including in their communications.

Concordia students are subject to the [Code of Rights and Responsibilities](#) which applies both when students are physically and virtually engaged in any University activity, including classes, seminars, meetings, etc. Students engaged in University activities must respect this Code when engaging with any members of the Concordia community, including faculty, staff, and students, whether such interactions are verbal or in writing, face to face or online/virtual. Failing to comply with the Code may result in charges and sanctions, as outlined in the Code.

Intellectual Property

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Extraordinary circumstances

In the event of extraordinary circumstances and pursuant to the [Academic Regulations](#) the University may modify the delivery, content, structure, forum, location and/or evaluation scheme. In the event of such extraordinary circumstances, students will be informed of the change.