Rings and Fields (Honours)
Carleton University Winter 2020

Calendar Description: Rings; integral domains; Euclidean and principal ideal domains; polynomial rings over a field; modules over principal ideal domains and applications; fields; algebraic extensions of fields; finite fields; applications. Precludes additional credit for MATH 3100 and MATH 3108.

Prerequisite: MATH 2100, or permission of the School. Lectures three hours a week, tutorial one hour a week.

Instructor: Colin Ingalls
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Textbook: Algebra (2nd edition) by Michael Artin. We will cover Chapters 11 to 16.

Lectures: Wednesdays and Fridays from 8:35am to 9:55am, Southam Hall 506.
Tutorials: Fridays from 1:35pm to 2:25pm, LA A204.

Grading Scheme:

- Tests 40%
- Tutorial Work, Assignments 10%
- Final Exam 50%

Tests: There will be two tests, which will be written in the tutorials on February 7 and March 13.

Assignments: There will be written assignments.

Final Exam: There will be a three hour final exam written in the April exam period (which runs from April 8 to April 25). It would be wise to avoid making travel plans during the exam period until the final exam for this course has been scheduled.

Academic Integrity: The University states unequivocally that it demands academic integrity from all its members. Academic dishonesty, in whatever form is ultimately destructive to the values of the University. Students who violate the principles of academic integrity through dishonest practices undermine the value of the Carleton degree. Dishonesty in scholarly activity cannot be tolerated. Any student who violates the standards of academic integrity will be subject to appropriate sanctions.

Academic Accommodations: You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows
Religious obligation: 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. For more details visit the Equity Services website: http://www2.carleton.ca/equity/

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 PMC at 613-520-6608 or 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 (if applicable) at http://www2.carleton.ca/pmc/new-and-current-students/dates-and-deadlines/ You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at http://www2.carleton.ca/equity/