Math 135 Algebra, Winter 2010

Course home page: See UW-ACE. All course material will be posted here.

Textbook: *An Introduction to Mathematical Thinking: Algebra and Number Systems*, by W. Gilbert and S. Vanstone. It is available in the bookstore.

Outline: Topics covered are: integers, divisibility and Diophantine equations, congruences, induction and the binomial theorem, rational, real and complex numbers, RSA cryptography, and polynomial equations. The corresponding sections in the textbook are: Chapters 2, 3 and 4, Sections 5.1–5.2, Chapters 7 and 8, and Sections 9.1–9.3.

Assignments: There will be ten assignments. Assignments are due every Wednesday (except Jan 6, Feb 10 and Feb 17) at 8:30am in the drop boxes opposite MC 4067. Late assignments will not be marked. Assignments and assignment solutions will be posted on the web page.

Tutorials: The teaching assistants will present examples and solutions of problems, answer student questions, and return marked assignments. The tutorials will begin the week of January 11.

Tutorial Centre: Teaching assistants will be present in the Tutorial Centre MC4067 on Mondays and Tuesdays, beginning January 11. Check the Tutorial Centre schedule for hours.

Calculators: Only calculators approved by the Faculty of Mathematics will be allowed on midterm and final examinations. See

`http://www.math.uwaterloo.ca/navigation/Current/calculatorpolicy.shtml` for more details. You must have a pink tie sticker on your calculator to be allowed to use it on exams.

Midterm Examination: Monday February 8th, 2010, 7:00–9:00 p.m. rooms TBA.

Final grade: Final exam 60%, Midterm 30%, Assignments 10%.

Policy on INC Grades: To be assigned a grade of INC, as student must have achieved a passing grade on term work.

Note for students with disabilities: The Office for Persons with Disabilities (OPD), located in Needles Hall, Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the OPD at the beginning of each academic term.

Avoidance of Academic Offenses: Students are expected to know what constitutes academic integrity, to avoid committing academic offenses, and to take responsibility for their actions. Students who are unsure whether an action constitutes an offense, or who need help in learning how to avoid offenses (e.g., plagiarism, cheating) or about "rules" for group work / collaboration should seek guidance from the course professor, TA, academic advisor, or the Undergraduate Associate Dean. For information on categories of offenses and types of penalties, students should refer to Policy #71, Student Academic Discipline,
`http://www.adm.uwaterloo.ca/infosec/Policies/policy71.html`
Students who believe that they have been wrongfully or unjustly penalized have the right to grieve; refer to Policy #70, Student Grievance,
`http://www.adm.uwaterloo.ca/infosec/Policies/policy70.html`