

MATH 200
Fundamental Concepts of Algebra
Summer 2015

Instructor*: _____

Office/Tel No.: _____

Office Hours: _____

*Students should get the above information from their instructor during class time. The instructor is the person to contact should there be any questions about the course.

Course Examiner: Dr. N. Hardy

Text: *An Introduction to Algebra*, Hardy, N. (2014). Kendall Hunt Publishing Company.

Credit: This is an introductory course in Algebra. Students with credits for any Concordia Math course will not receive credit for this course.

Moodle Site: Information pertaining to your section will be provided by your instructor. General information pertaining to the course (such as deadlines for assignments, dates for midterm, alternate, final exam, etc.) will be posted in the Moodle Meta Site of the course.

Office Hours: Your professor will announce her/his office hours during which she/he will be available to give a reasonable amount of help. However, if you missed a class, it is not reasonable to expect your professor to cover the missed material for you.

Tutorials: The material in this course requires a lot of practice. There is not enough class time to do all the examples and problems needed to learn the material thoroughly. The Department has therefore organized special **tutorials** conducted once per week for two hours for every section of this course to provide additional support to students outside the lecture room environment. Tutorials are conducted by graduate students who will help with solving problems on the topics learned in class that week. Students are strongly encouraged to participate and be active at these problem-solving sessions. They are an important resource to help you succeed in this course.

Math Help Centre: In addition to tutorial sessions, a Math Help Centre staffed by graduate students is available. The schedule of its hours of operation and its location will be posted in the Department.

WeBWorK: Every student will be given access to an online system called **WeBWorK**. The system provides you with many exercises and practice problems. Students will use this system to do *online assignments* (see below).

Assignments: Students are expected to submit assignments online using **WeBWorK** (see above). Late assignments **will not** be accepted.

Calculators: Only calculators approved by the Department (with a sticker attached as proof of approval) are permitted in the class test and final examination. The preferred calculators are the **Sharp EL 531** and the **Casio FX 300MS**, available at the Concordia Bookstore. See www.mathstat.concordia.ca for more information.

Midterm Test: There will be one midterm test based on the material covered on sections 1 to 9, inclusive. The date and time of the midterm will be announced in class. Students who will not be able to write the test that day for a valid reason, e.g. religious or illness (medical note is required), may write an alternate midterm test; date and time for the alternate will be announced in class.

Final Exam: The final examination will be three hours long and will cover all the material in the course.

NOTE: Students are responsible for finding out the date and time of the final exam once the schedule is posted by the Examinations Office. Any conflict or problems with the scheduling of the final exam must be reported to the Examinations Office, **not** to your instructor. It is the Department's policy and the Examinations Office's policy that **students are to be available until the end of the final examinations period**. Conflicts due to travel plans will **not** be accommodated.

The midterm test and final exam are based on the assignments (WeBWorK) AND the problems in the textbook.

Grading Scheme: The final grade will be based, in all cases, on the **higher** of the two options:

a) 10% for the assignments, 25% for the midterm test, 65% for the final exam.	b) 10% for the assignments, 10% for the midterm test, 80% for the final exam.
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NOTE: It is the Department's policy that tests missed for any reason, including illness, cannot be made up. If you miss both the midterm and alternate test because of illness (a medical note is required) the final exam can count for 90% of your final grade; the remaining 10% will be determined by the WeBWork assignments.

IMPORTANT: THERE IS NO "100% FINAL EXAM" OPTION IN THIS COURSE.

Topics covered in this course	Sections
Addition and subtraction, Products and quotients, The real line	1, 2, 3
Fractions	4
Natural and integer exponents, Order of operations	5, 6
Linear expressions and linear equations	7
Systems of linear equations	8
Linear inequalities	9
Midterm review	
Midterm	
Quadratic expressions and square radicals, Revisiting the order of operations	10, 11
Quadratic equations	12
Radicals and non-integer exponents	13
Polynomial expressions and polynomial equations	14
Rational expressions and equations	15
Final review	