Champlain
COLLEGE SAINT-LAMBERT

MATHEMATICS 201-007 : Algebra   **FALL SEMESTER 2008**

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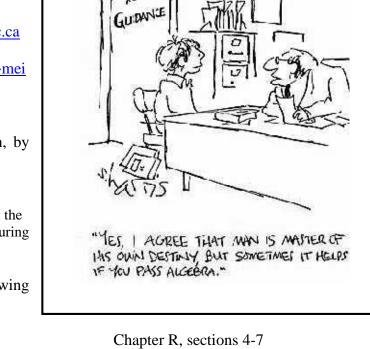   or mei@math.mcgill.ca
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Textbook: *Intermediate Algebra*, 9th edition, by M.L. Bittinger, published by Addison Wesley.

General objective: To prepare the student for subsequent courses in Mathematics by introducing the important concepts of **algebra** and by ensuring competency in proper algebraic manipulations.

Outline: The course will cover the following material:

"YES, I AGREE THAT MAN IS MASTER OF HIS OWN DESTINY, BUT SOMETIMES IT HELPS IF YOU PASS ALGEBRA."

Review of Basic Algebra:	Chapter R, sections 4-7
Linear Equations and Inequalities:	Chapter 1, sections 1-6
Graphs, Functions and Applications:	Chapter 2, sections 1-6
System of Equations:	Chapter 3, sections 1-6
Polynomials and Polynomial Functions:	Chapter 4, sections 1-6
Rational Expressions, Equations and Functions:	Chapter 5, sections 1-7
Rational Expressions, Equations and Functions:	Chapter 6, sections 1-7
Quadratic Equations and Functions:	Chapter 7, sections 1-7

Teaching methods: Class time will be devoted to lectures and problem solving. During problem solving sessions, students are encouraged to work in groups. Problems taken from the book will be suggested after each session. They indicate the level of difficulty of the problems that the students are expected to solve. The book will be followed closely and it is absolutely essential that each student has a copy and brings it to every problem solving session. Additional exercises will be provided by the instructor.

Evaluation: There will be a quiz every week. The lowest mark of all quizzes will not be counted. There will be four term tests. The exact dates will be announced at least one week prior to the tests. Attendance is required for all term tests and quizzes. No possibility of making up test or quiz exists unless a written medical notice is presented immediately after student's recovery.

Assessment plan: Quizzes 15% and Tests 85% (each term test is worth 20%, and the final test is worth 25%).