





**N:** Course Content:

1. Sets of numbers: integers, rationals, reals
2. Basic algebraic techniques - absolute values, exponents, factoring methods, rational expressions
3. Quadratic, polynomial, rational, and absolute value equations
4. Inequalities
5. Functions and relations; domains and ranges
6. Graphing of linear, quadratic, and absolute value functions
7. Mathematical modeling (story problems)
8. Basic geometric formulas
9. Systems of equations in 2-variables
10. Radicals, radical forms, and fractional exponents; radical equations

**O:** Methods of Instruction:

Lecture

**P:** Textbooks and Materials to be Purchased by Students:

Bittinger and Ellenbogen, Intermediate Algebra: Concepts and Applications, Seventh Edition, Addison Wesley, 2006

**Q:** Means of Assessment:

Evaluation will be carried out in accordance with Douglas College policy. The instructor will present a written course outline with specific evaluation criteria at the beginning of the semester. Evaluation will be based on some of the following:

- |    |                     |          |
|----|---------------------|----------|
| 1. | Weekly Tests        | 0 - 40%  |
| 2. | Midterm Tests       | 20 - 70% |
| 3. | Assignments         | 0 - 15%  |
| 4. | Attendance          | 0 - 5%   |
| 5. | Class Participation | 0 - 5%   |
| 6. | Final Examination   | 30%      |

**R:** Prior Learning Assessment and Recognition: specify whether course is open for PLAR

None

Course Designer(s):  
Larry Tombouliau

Education Council / Curriculum Committee Representative:

Dean / Director:  
Des Wilson

Registrar:  
Trish Angus