EFFECTIVE: MAY 2006
CURRICULUM GUIDELINES

A.	Division:	Instructional Division	Effective Date:		May 2006		
B.	Department / Program Area:	Mathematics Faculty of Science & Technology	Revision	X	New Course		
			If Revision, Section(s) Revised:		F, J, M, N, P, Q		
			Date of Previous Revision: Date of Current Revision:		September 2004 May 27, 2005		

C:	MATH 1101	**D**:	Basic Algebra	**E:**	3
	Subject & Course No.		Descriptive Title		Semester Credits

F: Calendar Description:
This is a one semester course for students who need to improve their knowledge of algebra. Topics covered include: functions and relations, domain and range; algebraic techniques, factoring, exponents and radicals, polynomial and rational expressions; solving and graphing equations and inequalities in one variable; solving and graphing systems of equations; quadratic equations; graphing lines and parabolas; mathematical modeling; basic geometric formulas.

G:

H: Course Prerequisites:
BC Principles of Math 11 with C or better
or

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 Tomboulian

Education Council / Curriculum Committee Representative:

Dean / Director:
Des Wilson

Registrar:
Trish Angus