Mathematics 135-001
Career Algebra
Winter , 2013

Instructor: James Stevenson   E-mail: jstevenson@camosun.bc.ca
Lansdowne Office: Ewing 342B   Ph#: 250-370-3303

Additional Office Hours by Appointment

Important Dates:

	Sept 3	First day of classes for Fall term
	Sept 17	Fee Deadline
	Nov 4	Withdrawal Deadline
	Dec 8	Last day of classes for Winter term
	Dec 9-17	Final Exam Period

1. Intended Learning Outcomes

This course provides the algebraic skills required for programs and courses including Business diploma programs, the Criminal Justice program, and elementary statistics. Topics include real numbers; integer and rational exponents; linear equations and inequalities; function notation; linear f unctions; and systems of linear equations. [3 Credits] Source: Camosun College 2011/2012 Calendar http://camosun.ca/learn/calendar/2012/web/math.html

2. Course Materials and Support

Required Materials: a) MATH 135 Career Algebra , Custom Edition, pearson, 2011.
                                         This resource includes a student solution manual.
                           b) The only calculator allowed on tests and the final exam is the
                                 Sharp EL-531 scientific calculator.

Math Labs: Ewing 342 & 224 (LANS) and Tec142 (INT): These drop-in centres are available for you to work on math homework and to seek free help from the tutor on staff.   See the hours posted on the math lab doors (most current) or go to http://camosun.ca/learn/programs/math/labs.html .

Study Tips: It is recommended that approximately 3-6 hours per week be spent studying for this course outside of class time. Find a study buddy to discuss math problems and use the math labs.

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Registrar's Office or the College web site at http://camosun.ca/

3. Exit Grade: A grade of C+ (65%) or better in Math 135 is necessary to continue into all Business Diploma programs. A grade of C or better is needed for Math 116 (Elementary Statistics).

4. Basis of Student Assessment (Grading)

Assignments: The questions for Assignments 1 to 7 are from the relevant text book sections and are listed in this outline. Please submit your homework
assignments in folder with your name on it. . Each question should be written out along with a full solution, not just the answer. Assignments are due by noon on the designated day Late assignments will NOT be accepted. All assignments count for 20% of the final grade

Tests: There are 4 tests. No calculators are allowed for Test 1.   If you miss a test for any reason a zero will be assigned unless you make alternate arrangements with your instructor.

Grade Calculation: The final grade will be calculated according to the following breakdown:
  7Assignments   20%
  4Tests:
                                                    30
  % Comprehensive Final Exam:
                                                    50
  % or 100%*

All assignments count. If your term average is at least 50% and if your final exam mark is higher than your term mark,
then your final exam will count for 100% of your final mark.

Grade Scale:

0-49	50-59	60-64	65-69	70-72	73-76	77-79	80-84	85-89	90-100
F	D	C	C+	B−	B	B+	A−	A	A+

For information on Camosun College's grading policy, see the webpage http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.5.pdf

Academic Progress: The College has an academic progress policy geared mainly toward "at risk" students, the stated intention for which is to improve a student's likelihood of success. To view the policy, see the
webpage http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf

	REVIEW
R.1	SIMPLIFY FRACTIONS
R.2	ADD AND SUBTRACT FRACTIONS
R.3	MULTIPLY AND DIVIDE FRACTIONS
R.4	DECIMALS
R.5	PERCENT , ROUNDING & ESTIMATING
R.6	PROBLEM SOLVING
	ASSIGNMENT & TEST #1

	CHAPTER 1
1.1	ADDING REAL NUMBERS
1.2	SUBTRACTING REAL NUMBERS
1.3	MULTIPLY & DIVIDE REAL NUMBERS
1.4	EXPONENTS
1.5	ORDER OF OPERATIONS
1.6	DISTRIBUTIVE PROPERTY
1.7	COMBINING LIKE TERMS
1.8	SUBSTITUTION
1.9	GROUPING
	ASSIGNMENT #2

	CHAPTER 2
2.1	ADDITION PRINCIPLE
2.2	MULTIPLICATION PRINCIPLE
2.3	ADDITION &MULTIPLICATION PRINCIPLE TOGETHER
2.4	EQUATIONS WITH FRACTIONS
2.5	FORMULAS
2.6	INEQUALITIES
	ASSINMENT #3 & TES T#2

	CHAPTER #3
3.1	TRANSLATING ENGLISH TO ALGEBRAIC EXPRESSIONS
3.2	WORD PROBLEMS
3.3	WORD PROBLEMS COMPARISONS
3.4	WORD PROBLEMS: MONEY & %
3.5	WORD PROBLEMS: GEOMETRY
3.6	WORD PROBLEMS: INEQUALITIES
	ASSIGNMENT #4

	CHAPTERR #4
4.1	RULES OF EXPONENTS
4.2	NEGATIVE EXPONENTS & SCIENTIFIC NOTATION
4.3	FUNDAMENTAL POLYNOMIAL OPERATIONS
4.4	MULTIPLY POLYNOMIALS
4.5	MULTIPLY POLYNOMIALS: SPECIAL CASESA
4.6	DIVIDING POLYNOMIALS
	ASSIGNMENT #5 & TEST #3

	GRAPHING & FUNCTIONS	
6.1	RATIONAL EXPRESSIONS	
6.2	GRAPHING	
6.3	SLOPE	
6.4	WRITE AN EQUATION OF A LINE	
6.5	GRAPH INEQUALITIES	
6.6	FUNCTIONS	
	ASSIGNMENT #5	

	SYSTEMS OF EQUATIONS	
7.1	SOLVING EQUATIONS WITH TWO VARIABLES; GRAGHING	
7.2	SOLVING EQUATIONS WITH TWO VARIABLES: SUBSTITUTION	
7.3	SOLVING EQUATIONS WITH TWO VARIABLES: ELIMINATION	
7.4	REVIEW	
7.5	WORD PROBLEMS	
	ASSIGNMENT #7 & TEST #4	