Instructor: Morgan Sargent **E-mail:** sargentm@camosun.bc.ca   **Phone #:** 250-544-2192
Class Hours: Mon. Wed. Fri. 10am to Noon   **Office Hours**: Monday to Friday 9:30am to 10am

Calendar Description

This course covers the second part of ABE Intermediate Math, and provides the introductory algebra and problem-solving skills required for further study in advanced-level algebra, math for technology, and any course or program that requires Math 10. Topics include: real numbers, algebraic expressions, equations, inequalities, graphing, and polynomials.

Prerequisite(s): MATH 052**, or** assessment.
http://camosun.ca/learn/calendar/current/web/math.html

Required Materials

    (a) Textbook: *Developmental Mathematics*, 7th edition, Marvin Bittinger & Judith Beecher
    (b) Module: *Trigonometry* (ABE Intermediate Mathematics module 14), British Columbia
    (c) Scientific calculator (Students going on to MATH 072 should purchase a Sharp EL531W

Course Content and Schedule – Self-paced Instructions

The course is designed to be completed in one term. However, it can be completed sooner, depending on a number of factors including the students' beginning level of math skills, motivation, learning rate, and how much time they can actually study (average 15 20 hours per week to complete in 4 months).

If you do not understand something seek help right away. In addition to online, resources include your family and friends, your instructor, and /or the Math Tutor Center.

Contact your instructor to get permission to write the unit exam. These exams will be written face-to-face.

Grade Calculation[1]: 5 Unit Exams worth 75% and a Final Exam worth 25%

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[1] As this is a mastery-based course, the goal for each test is 75% or better. If you scored less than 75% then you will need to rewrite the test before you continue. Note: Tests can only be rewritten once for a total of two times and all test scores are averaged to calculate a final mark

Grading System

Percentage	Grade	Grade Point Equivalency
90−100%	A+	9
85−89%	A	8
80−84%	A−	7
77−79%	B+	6
73−76%	B	5
70−72%	B−	4
65−69%	C+	3
60−64%	C	2
50-59%	D	1
<50%	F	0
In Progress	IP	N/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
There is an Academic Progress Policy designed to enhance a learner's likelihood of success. Students should become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.
http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf

Text	MATH 053 course content	Required or Optional
	Unit R – Arithmetic Review (no calculator)	
	Unit R Pre-test	**Required**
R.2	Fraction Notation	Optional
R.3	Decimal Notation	Optional
	Unit R Post-test	**Required**
	Unit R Exam (no calculator)	**Required**
	Unit 1 Real Numbers and Algebraic Expressions (20 days)	
	Unit 1 Pre-test	**Required**
7.1	Introduction to algebra	Optional
7.2	The real numbers	Optional
7.3	Addition of real numbers	Optional
7.4	Subtraction of real numbers	Optional
7.5	Multiplication of real numbers	Optional
7.6	Division of real numbers	Optional
7.7	Properties of real numbers	Optional
7.8	Simplifying expressions; order of operations	Optional
	Summary and review	Optional
	Unit 1 Post-test	**Required**
	Unit 1 Exam	**Required**
	Unit 2 Solving Equations and Inequalities (30 days)	
	Unit 2 Pre-test	**Required**
8.1	Solving equations: the addition principle	Optional
8.2	Solving equations: the multiplication principle	Optional
8.3	Using the principles together	Optional
8.4	Formulas	Optional
8.5	Applications of percent	Optional
8.6	Applications and problem solving	Optional
8.7	Solving inequalities	Optional
8.8	Applications and problem solving with inequalities	Optional
	Summary and review	Optional
	Unit 2 Post-test	Optional
	Unit 2 Exam	**Required**
	Unit 3 Graphs of Linear Equations (22 days)	
	Unit 3 Pre-test	**Required**
9.1	Graphs and applications	Optional
9.2	Graphing linear equations	Optional
9.3	More with graphing and intercepts	Optional
9.4	Slope and applications	Optional
	Summary and review	Optional
	Unit 3 Post-test	**Required**
	Unit 3 Exam	**Required**

Unit 4 Polynomials: Operations and Factoring (28 days)	
	Unit 4 Pre-test	**Required**
10.1	Integers as exponents	Optional
10.2 *	Exponents and scientific notation *** after 10.2, complete supplementary exercises on exponents (#1-25)***	Optional
10.3	Introduction to polynomials	Optional
10.4	Addition and subtraction of polynomials	Optional
10.5	Multiplication of polynomials	Optional
10.6	Special products	Optional
10.7	Operations with polynomials in several variables	Optional
10.8	Division of polynomials	Optional
11.1	Introduction to factoring	Optional
11.2	Factoring trinomials of the type $x2$ bx c	Optional
	Summary and review	Optional
	Chapter test	Optional
	Unit 4 Post-test	**Required**
	Unit 4 Exam	**Required**
	MATH 053 review	Optional
	MATH 053 final exam day 105	**Required**

Recommended Materials or Services to Assist Students to Succeed Throughout the Course

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://www.camosun.ca

STUDENT CONDUCT POLICY

There is a Student Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section, or the College web site at:
http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf

STUDENT GRADING POLICY

A new student grading policy is in effect for students in the School of Access. This information is available in the College Calendar, Registrar's Office or the College web site at:
http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.5.pdf

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http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf