



COURSE OUTLINE

Please save a copy onto your computer before filling in the form

Course Name: Math 12 - Part 1

Department Head/Coordinator: Costa Karavas/Peter Herd **Effective Date:** September 2014

School or Centre:		Department:	
School of Arts and Science		CF Mathematics and College and Career Access	
Course History:		Year of Study:	
Revised Course		ABE Provincial Level (Grade 12)	
Name of Replacing Course (if applicable):	MATH 0983	Course Number:	MATH 0983
		Number of Credits:	N/A

Course Pre-requisites (if applicable):

VCC MATH 0871 with a C-, or Pre-calculus 11 with a C-, or Foundations of Mathematics 12 with a C-, or 72% on the VCC Intermediate Algebra Assessment

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

MATH 0983 Challenge Exam with a C-

Course Description:

MATH 0983 is the first half of ABE Provincial Level Algebra and Trigonometry Mathematics. This course provides students with the algebra and trigonometry skills needed for entering post-secondary programs requiring Mathematics 12. Students are introduced to a review of basic algebra concepts; equations and applied problems; complex numbers; relations, functions and transformations; linear and quadratic functions and inequalities; polynomial functions; exponential and logarithmic functions and their graphs.

Both MATH 0983 and MATH 0993 are required for completion of ABE Provincial Level Algebra and Trigonometry Mathematics.

Note to instructors: An instructional strategy is an approach that an instructor uses to achieve the learning outcomes (e.g., lecture, case study, video, group work).

Instructional Strategies:

Option 1: Class-based - uses a lecture-based model. Class time is also used for group work, activities, concept-development and problem solving.

Option 2: Self-paced - uses an individualized, one-one model with personalized attention and continuous intake.

Course Learning Outcomes:

Students will meet the competencies for ABE Provincial Level Algebra and Trigonometry Mathematics as stated in the 2013-2014 Articulation Handbook at <http://www.aved.gov.bc.ca/abe/docs/handbook.pdf>

Program Learning Outcomes:

N/A

Evaluation/Grading System *(Click on drop down box arrows to see list of options)*

Grading System	Specify if 'Other':	Specify Passing Grade:
Letter Grades		D

Components and Weighting of the Assessment/Evaluation Plan: *(Click on drop down box arrows to see list of options)*

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
		Class-based Option
Quizzes/Tests	70	Combination of tests, quizzes, assignments and/or midterms
Final Exam	30	
		Or Self-paced Option
Quizzes/Tests		75%: 5 unit tests at 15% each
Final Exam		25%
Total		100

Learning Environment/Type *(Select all that are used within the course)*

Instruction Type	Hours Per Instruction Type	Comments
L - Classroom	60	Option 1: College Foundations
E - Seminar	30	
		OR
S - Self-paced	90	Option 2: College and Career Access
Enter Total Hours	90	

Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

Course Topics and Sequence Covered:

1. Algebra Review
2. Functions, Graphs and Models
3. Polynomial and Rational Functions
4. Exponential and Logarithmic Functions
5. Quadratic Functions and Equations

VCC Education and Education Support Policies

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

<http://www.vcc.ca/about/governance--policies/policies/>

To find out how this course transfers, visit the BC Transfer Guide at www.bctransferguide.ca.

FOR COMMITTEE USE ONLY

Date Approved by Education Council:		Date Approved by VCC Board (if applicable):	
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