

COURSE OUTLINE

Course Name: Mathematics Level 1

Department Head/Coordinator: Jan Weiten

Effective Date: April 2011

School or Centre:		Department:	
Click arrow for options		Basic Education	
Course History:		Year of Study:	
Replacement Course		Click arrow for options	
Name of Replacing Course (if applicable):	Component of Math 031	Course Number:	MATH 0311
		Number of Credits:	

Course Pre-requisites (if applicable):

- interview w/the Basic Education assessment person/department head & participate in the Fundamental/ Intermediate Math assessment co-dev'l'd by Basic Education/CCA/College Foundations.
- show an ability to understand & speak or use English by meeting the Basic Education Oral English Fluency Criteria as determined in the initial interview. -read at a minimum of English Level 3 (ENGL 0313) or equivalent

Course Co-requisites (if applicable):

PLAR (Prior Learning Assessment & Recognition)

No Yes (details below):

Each student is placed according to existing skill level. The interview will provide information on existing skill level to determine initial placement.

Course Description:

MATH 0311 is approximately equivalent to a Grade 0-1.5 level in the BC Ministry of Education curriculum. MATH 0311 is the first of six levels of Adult Literacy Fundamental Mathematics, which will give students a strong foundation of basic math skills, concepts, vocabulary and problem solving strategies.

Instructional Strategies:

This course will be taught in a self-paced, individualized format along with group instruction and small group activities.

Course Learning Outcomes:

- Explain or use examples of keywords: digit, place value, rounding, estimating, greater than, less than, equal, not equal, odd, even, zero, horizontal, vertical, operation, sum, difference, addition, subtraction, increase, decrease
 - Identify place value to 100
 - Read and write digits 0 to 9
 - Compare and order whole numbers to 100
 - Subtract whole numbers that are 20 or less, without borrowing/trading in
 - Round whole numbers to the nearest 10
 - Count by 2's; 5's; 10's; up to 100
 - Show the relationship between manipulatives and numbers to 20
 - Explain or use examples of keywords: Rectangle, square, triangle, circle, perimeter
 - Identify rectangle, square, triangle, circle
 - Recognize common base time units and their relationship to each other (seconds to minutes, etc. Skills and Strategies for Learning:
 - Give and receive help in a respectful manner
 - Work independently for short periods of time
 - Identify personal short-term numeracy goals
 - Recognize personal learning strengths
 - Use strategies to manage math anxiety
- Recognize vertical and horizontal format for adding and subtracting
 - Count to 100
 - Read and write whole numbers to 100
 - Add whole numbers whose sum is 20 or less without carrying
 - Use and apply patterns (shapes, letter and numbers)
 - Recognize coins and their values
 - Estimate (ex. "It takes me about an hour to get to work in the morning")
 - Apply addition (to 20) to one step word problems in real life situations
 - Recognize am/pm clock notation
 - Use critical thinking skills
 - Organize work, with help, for easy access
 - Receive feedback and respond appropriately
 - Ask for help appropriately
 - Recognize math anxiety
 - Locate information in a text book with help

Program Learning Outcomes:

n/a

Evaluation/Grading System

Grading System	Specify if 'Other':	Specify Passing Grade:
Satisfactory/Unsatisfactory		S

Components and Weighting of the Assessment/Evaluation Plan:

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Other	100	A mastery model of on-going evaluation will be used. A student will have completed the course when he/she has demonstrated
-		through satisfactory completion of assignments that the learning outcomes have been achieved.
-		Progress will be monitored on a regular basis by the instructor in consultation with each student.
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	Total	100

Learning Environment/Type

Instruction Type	Hours Per Instruction Type	Comments
-	10/week	
	2/week	
Enter Total Hours	12	

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:

Place value, rounding, adding and subtracting whole numbers to 100, estimating, time

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-vcc/policies/index.cfm>

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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