CAMOSUN COLLEGE
School of Access
Academic and Career Foundations Department

MATH 023-S20   Fundamental Mathematics 3
Winter 2012

COURSE OUTLINE

The Approved Course Description is available on the College website
http://www.camosun.bc.ca/learn/calendar/index.html

1. Instructor Information

Instructor: Alison Bowe   Voicemail: 370-4911   Text only: 250.881.0264
Office: CBA 150   e-mail: bowe@camosun.bc.ca

OFFICE HOURS BY APPOINTMENT

January-April 2012 Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:30 – 11:30				Chairs Meeting	
11:30 – 12:30	Help Centre CBA 109	Offsite Bridges Campus	Help Centre CBA 109	Chairs Meeting	
12:30 – 3:20	**Math S05 CBA 117**	Offsite Bridges Campus	**Math S05 CBA 117**	Offsite Bridges Campus	Dept Meeting
3:30 – 5:00	Office Hours	Offsite Bridges Campus	Office Hours	Offsite Bridges Campus	

2. Intended Learning Outcomes

(complete ABE Fundamental Mathematics learning outcomes at ABE Articulation Handbook website http://www.aved.gov.bc.ca/abe/handbook.pdf)

At completion of the course students will be able to…

- Use math vocabulary related to multiplying and dividing whole numbers, metric units, area, and perimeter.
- Multiply whole numbers with and without carrying.
- Divide whole numbers with and without remainders.
- Estimate products and quotients.
- Determine whether a number is divisible by 2, 3, 5, 9, and 10.
- Use multiplication or division to solve multi-step application problems.
- Solve multi-operation application problems.
- Calculate the area and perimeter of squares and rectangles.
- Work independently on the materials provided, and ask for help when needed.
- Use strategies to organize work and notes, and to manage time and math anxiety.

3. Required Materials
(a) textbook: *Adult Literacy Fundamental Mathematics Book Three*
Supplementary Materials
(b) three-ring binder, lined paper, graph paper
(c) pencils, eraser, ruler, highlighter, file cards

4. Course Content and Schedule

2012W Semester classes run from January 9, 2011 to April 13, 2012
Our class meets on Monday and Wednesday afternoons.

Other important dates:

February 16-17	Reading Break
March 13	Withdrawal Deadline
April 6, 9	Holiday, College Closed
April 11	Last class
April 16-18	Final Tests

Self-paced Instructions

(a) for each topic of the book listed below, study the explanations and examples, then work through and check your answers to as many exercise problems as you need to fully understand
(b) ask for help when you have difficulties, or when you don't understand something
(c) complete the Self-Tests for each topic and check your answers, then to prepare for the unit Final Test, complete the Review problems at the end of each unit
(d) after clearing up any problems and correcting your errors, ask your instructor for authorization to write the unit Final Test
(e) review your Final Test results with the instructor, and proceed to the next unit if you score 75% or better, or rewrite the Final Test if you score less than 75%
(f) calculators may not be used on the Final Tests, unless approved by the instructor

The course completion time will vary for each student, depending on a number of factors, including your current level of math skills, motivation, learning rate, and how much time you have to study math, either at the college or at home. Students generally need to spend 5−15 hours of study time per week to complete each math course within a reasonable amount of time.

unit	topic	MATH 023 course content – Book Three	date	
1		**Number Sense**		
	A	Emotions and Learning		
2		**Multiplication**		
	A	Multiplying Larger Numbers		
	B	Two and Three Digit Multipliers		
	C	Estimating Products		
	D	Multiplication Problems		
		Unit 2 Review		
		Unit 2 Final Test		
3		**Division**		
	A	Introduction and Division Facts		
	B	Divisibility		
	C	Dividing Larger Numbers by One Digit Divisors		
	D	Dividing by Two and Three Digit Divisors		
	E	Estimating Quotients		
	F	Division Problems		
	G	Mixed Problems		
		Unit 3 Review		
		Unit 3 Final Test		

unit	topic	MATH 023 course content – Book Three	date	
4		**Change, Time and the Metric System**		
	A	Counting to Make Change		
	B	Making Change		
	C	Converting Units of Time		
	D	The Metric System		
		Unit 4 Review		
		Unit 4 Final Test		

5. Basis of Student Assessment (Weighting)

The MATH 023 course grade is based on the average of all unit Final Test passing scores.

Note:
Students with a record of poor attendance OR poor progress may be restricted from re-registering in Academic and Career Foundations Department courses.

6. Grading System
(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

A+	90–100%	B+	77–79%	C+	65–69%
A	85–89%	B	73–76%	C	60–64%
A–	80–84%	B–	70–72%	IP	in progress

7. 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, Registration, or on the College website *http://camosun.ca/services/*

ACADEMIC CONDUCT POLICY

It is the student's responsibility to become familiar with the content of the Academic Conduct Policy. The policy is available in each School Administration Office, Registration, and on the College website *http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf*

ACADEMIC PROGRESS POLICY

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