School of Access

Community Learning Partnerships

Fundamental Mathematics 6

MATH 026 BS18
Winter 2012 - Course Outline

This course outline is available online at http://faculty.camosun.ca/martinbuck

Ω *Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records.*

Calendar Description

Offered in an individualized, small-class format, MATH 026 is the sixth and final level of Adult Literacy Fundamental Mathematics, which will give students a strong foundation of basic math skills, concepts, vocabulary, and problem-solving strategies. Topics: ratio, rate, proportion, percent, decimal/fraction/percent equivalents, graphs and tables.   See http://camosun.ca/learn/calendar/current/web/math.html

Prerequisite(s): Math 025

Exit Grade: B (73%) or better is necessary to achieve mastery level and continue into MATH 034.

1. Required Materials

(a) textbook: *Adult Literacy Fundamental Mathematics Book Two*
(b) Access Code for online classroom at publisher's website at http://mathxl.com. This code is available purchase in the college bookstore. It can also be purchased online at the above website. See http://mathxl.com/support/system.htm for system requirements.

2. Instructor Information

(a) Instructor -- Martin Buck
(b) Office hours – Via the online classroom below, which is available 24 hours a day and seven days a week. Expect a response within one school day. Face-to-face and phone appointments with the instructor are available by prior arrangement.
(c) Location – The Songhees Learning Centre at 1500B Admirals Road. The online classroom is available to registered students at http://mathxl.com.
(d) Instructor's website http://faculty.camosun.ca/martinbuck
(e) E-mail martin@lwebs.ca

Important Dates: *See http://camosun.ca/learn/calendar/current/pdf/events.pdf*

3. Intended Learning Outcomes

- Use math vocabulary related to ratio, rate, proportion, percent, equivalents, graphs and tables.
- Write ratios, rates, and proportions
- Solve proportions.
- Convert between fractions, decimals, and percents.
- Use proportion and percent to solve application problems.
- Read and obtain information from graphs and tables.
- 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.

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

4. Course Content and Schedule

The course is designed to be completed in one term. However, it can be completed sooner. You will need to spend 10 − 15 hours per week on your math.

(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.

unit	topic	MATH 026 course content – Book Six	date	
1		**Ratio, Rate and Proportion**		
	A	Writing Ratios		
	B	Rates		
	C	Proportion		
		Unit 1 Review		
		Unit 1 Final Test		
2		**Percent**		
	A	Introducing Percent		
		Unit 2 Review		
		Unit 2 Final Test		
3		**Working with Percent**		
	A	Finding a Percent of a Number		
		Unit 3 Review		
		Unit 3 Final Test		
4		**More Working with Percent**		
	A	Finding What Percent One Number is of Another		
	B	Finding a Number when a Percent of it is Given		
		Unit 4 Review		
		Unit 4 Final Test		

5. Basis of Student Assessment (Weighting)

The MATH 021 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-2.5.1.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*

Academic Policies

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. For information on this and all Camosun College's academic policies including grading, see the webpage at

http://camosun.ca/learn/becoming/policies.html