Camosun College campuses are located on the traditional territories of the Lkwungen and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.

CAMOSUN COLLEGE
School of Access
Community Learning Partnerships Department

MATH 023   Fundamental Mathematics 3
F2020

COURSE OUTLINE

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

1. Instructor Information

1. Instructor Information

(a) Instructor: Jennifer Bennett

(b) Class time and location: Online in D2L and by appointment with your instructor

(c) Phone: 250-370-3675

(d) E-mail: bennettj@camosun.ca

2. Intended Learning Outcomes

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

On 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 Instructions and Content

(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		
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.

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.)
   (Mark with "X" in box below to show appropriate approved grading system – see last page of this template.)

   ☐   Standard Grading System (GPA)

   ☒   Competency Based Grading System

7. **Recommended Materials to Assist Students to Succeed Throughout the Course**

8. **College Supports, Services and Policies**

   Immediate, Urgent, or Emergency Support
   If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ http://camosun.ca/about/mental-health/emergency.html or http://camosun.ca/services/sexual-violence/get-support.html#urgent

   College Services
   Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at http://camosun.ca/

   College Policies
   Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at http://camosun.ca/about/policies/. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

A. GRADING SYSTEMS *http://www.camosun.bc.ca/policies/policies.php*

   The following two grading systems are used at Camosun College:

   1. **Standard Grading System (GPA)**

Percentage	Grade	Description	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
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

B. Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at http://www.camosun.bc.ca/policies/E-1.5.pdf for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	*In progress*: A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	*Compulsory Withdrawal*: A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.