



**CAMOSUN COLLEGE**  
**School of Access**  
**Community Learning Partnerships**

**MATH 038**  
**Fundamental Math for Trades**

**2016 Fall**

**COURSE OUTLINE**

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The calendar description is available on the web at <http://www.camosun.ca/learn/calendar/current/>

*W Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.*

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**1. Instructor Information**

<b>(a) Instructor</b>	Aubrey Bebar
<b>(b) Office hours</b>	By student request
<b>(c) Location</b>	CELASET program site
<b>(d) Phone</b>	N/A
<b>(e) E-mail</b>	bebara@camosun.ca
<b>(f) Website</b>	N/A

**Alternative:** Facebook messenger

**2. Intended Learning Outcomes**

- At the end of the course, students will be able to:
- demonstrate knowledge and skills in using the principles and operations of various math topics such as arithmetic, measurement, graphs, formulas, and geometry
- apply a variety of strategies in solving math-related problems
- apply knowledge and skills in various math topics to solve problems related to particular Trades Foundation Programs (except Professional Cook and Electrical programs)
- use knowledge of various math topics as a basis for further study in Trades Foundation Programs (entry level)

**3. Required Materials**

- textbook: *Line B, Solve Mathematical Problems, Trades Common Core*
- scientific calculator

#### 4. Course Content and Schedule

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 work on this course. Students generally need to spend 5–15 hours of study time per week, either at the college or at home, to complete a math course within 4 months.

The table below lists the eleven competencies or chapters in the Line B text that are required for each Trades Foundation Program (except Professional Cook and Electrical). Follow these steps to complete each competency:

- skip the Pre-Test
- study the explanations and examples
- answer and check **ALL** questions in the order listed in the table below
- ask the instructor for help whenever you need it

To prepare for the Final Test, write the Practice Test and review your results with the instructor.

MATH 038 course content	Line B page #	question #
<i>Competency B-1 – Whole Numbers</i>		
	5	1–4
	3	1–5
	7	1–5
<i>Competency B-2 – Fractions</i>		
	15	1–4
	17	1–4
	20	1–4
	21	1–5
	11	1–20
	23	1–15
<i>Competency B-3 – Decimals</i>		
	32	1–2
	33	1–2
	37	1–5
	29	1–10
	38	1–15
<i>Competency B-4 – Metric and Imperial Measurements</i>		
	46	1–2
	49	1–6
	43	1–2
	50	1–2
<i>Competency B-5 – Ratio and Proportion</i>		
	59	1–12
<i>Competency B-6 – Percent</i>		
	69	1–4
	73	1–4
	67	1–5
	74	1–5

MATH 038 course content	Line B page #	question #
<i>Competency B-7 – Powers and Roots</i>		
	82	1
	84	1
	79	1–3
	85	1–3
<i>Competency B-8 – Graphs</i>		
	93	1–5
	96	1–2
	89	1–5
	98	A–E
<i>Competency B-9 – Formulas</i>		
	111	1–5
	105	1–7
	115	1–5
<i>Competency B-10 – Perimeters, Areas, and Volumes</i>		
	125	1–8
	121	1–8
	129	1–8
<i>Competency B-11 – Angles and Triangles</i>		
	142	1–4
	135	1–6
	151	1–6
MATH 038 Practice Test		
MATH 038 Final Test		

## 5. Basis of Student Assessment (Weighting)

The course grade is either COM (complete) or IP (in progress) or NC (not complete), and is based on the student's score on the Final Test, which covers all of the required units (passing score 75%).

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

Standard Grading System (GPA)

Competency Based Grading System

## 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, Student Services or the College web site at <http://www.camosun.bc.ca>

### STUDENT CONDUCT POLICY

There is a Student Conduct Policy. It is the student's responsibility to 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.  
<http://www.camosun.bc.ca/policies/policies.html>

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	<i>Incomplete:</i> 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	<i>In progress:</i> 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	<i>Compulsory Withdrawal:</i> 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.