



COURSE OUTLINE

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

1. Instructor Information

- (a) Instructor: Karen Lightbody
- (b) Office hours: 12:30 -1:00 pm and 4:00 – 4:30 Tuesday and Thursday
- (c) Location: OFF CAMPUS -- Bridges for Women Society
- (d) Phone: 250-588-8277
- (e) Email: lightbodyk@camosun.bc.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>)

At the end of the course, students will be able to:

1. demonstrate knowledge and skills in using the principles and operations of various math topics such as arithmetic, measurement, graphs, formulas, and geometry
2. apply a variety of strategies in solving math-related problems
3. apply knowledge and skills in various math topics to solve problems related to particular Trades Foundation Programs (except Professional Cook and Electrical programs)
4. 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
- optional supplementary materials from MATH 023–034

4. Course Instructions and Content

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 #
Competency B-1 – Whole Numbers		
	5	1-4
	3	1-5
	7	1-5
Competency B-2 – Fractions		
	15	1-4
	17	1-4
	20	1-4
	21	1-5
	11	1-20
	23	1-15
Competency B-3 – Decimals		
	32	1-2
	33	1-2
	37	1-5
	29	1-10
	38	1-15
Competency B-4 – Metric and Imperial Measurements		
	46	1-2
	49	1-6
	43	1-2
	50	1-2
Competency B-5 – Ratio and Proportion		
	59	1-12
	55	1-10
	62	1-10

MATH 038 course content	Line B page #	question #
Competency B-6 – Percent		
	69	1-4
	73	1-4
	67	1-5
	74	1-5
Competency B-7 – Powers and Roots		
	82	1
	84	1
	79	1-3
	85	1-3
Competency B-8 – Graphs		
	93	1-5
	96	1-2
	89	1-5
	98	A-E
Competency B-9 – Formulas		
	111	1-5
	105	1-7
	115	1-5
Competency B-10 – Perimeters, Areas, and Volumes		
	125	1-8
	121	1-8
	129	1-8
Competency B-11 – Angles and Triangles		
	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

COM complete

IP in progress

NC not complete

7. Learning Support and Services for Students

Academic Upgrading Help Centre (CBA 109 Interurban campus)

Math Help Centre (Ewing 342 Lansdowne Campus)

Help with coursework, reference & learning materials library,
computers & printer, quiet testing & study areas

There are many other Camosun services available to help you succeed in and out of the classroom, including education planning, learning and personal support, campus life, work and housing, and getting around.

This information is available at Registration or the College web site <http://camosun.ca/services/>

8. College Policies

ACADEMIC PROGRESS

The purpose of this policy is to enhance a learner's likelihood of success, and to encourage the learner to use College resources effectively.

<http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf>

GRADING

The purpose of this policy is to ensure that grading and promotion are consistent and fair.

<http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.5.pdf>

STUDENT CONDUCT

The purpose of this policy is to provide clear expectations of appropriate academic and non-academic student conduct, and to establish processes for resolution of conduct issues or the imposition of sanctions for inappropriate conduct.

<http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf>