Welcome to Camosun College!

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.

Math 052 Intermediate Mathematics 1
Fall 2020
COURSE OUTLINE

The Approved Course Description is available on the College website
http://camosun.ca/learn/programs/academic-upgrading/what-youll-learn/upgrading.html#tabs-intermediate_a

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

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1. Instructor Information

(a)	**Instructor**	Pooja Gupta
(b)	**Office hours**	Variable (please email for an appointment)
(c)	**Office Location**	Online / Lansdowne campus Ewing 220
(d)	**Phone**	250-370-3489 Video/Audio conferencing will be preferred when possible
(e)	**E-mail**	guptap@camosun.ca

2. Intended Learning Outcomes

Complete ABE Intermediate Mathematics learning outcomes at ABE Articulation Handbook website
https://www2.gov.bc.ca/assets/gov/education/post-secondary-education/adult-education/abe_guide.pdf

On completion of the course, students will be able to:

- use mathematics at an ABE Intermediate level with competence
- demonstrate knowledge and skills in using the language, principles, and operations of consumer math (arithmetic, statistics, measurement), geometry, and trigonometry
- apply a variety of strategies in solving math-related problems
- apply knowledge and skills in consumer math, geometry, and trigonometry to solve problems
- use knowledge of consumer math, geometry, and trigonometry as a basis for further study in Intermediate-level algebra and math for trades

3. Required Materials

(a) textbook: Developmental Mathematics, Custom Edition for Camosun College, Marvin Bittinger/Judith Beecher (Content taken from the 9th Edition of Developmental Mathematics by the same authors)

(b) modules:
   1. Arithmetic Review (ABE Intermediate Mathematics module 1), British Columbia
   2. Trigonometry (ABE Intermediate Mathematics module 14), British Columbia

(c) Scientific calculator: The Sharp EL 531W model will be the only calculator allowed for this course

(d) Reliable access to the internet

(e) Registration with MyMathLab:
   http://www.pearsonmylabandmastering.com/northamerica/mathxl/students/get-registered/index.html

(f) Course ID: Please note that you will need a course ID to access the content on mymathlab. This ID will be available at start of term on D2L. **So please login to your D2L account to retrieve this information.**

4. Course Content and Schedule

The course is designed to be completed in one term. However, it can be completed sooner, depending on a number of factors including the student's beginning level of math-skills, motivation, learning rate, and how much time they can actually study (average 15 to 20 hours per week to complete in 4 months).

==Contact your instructor to get permission to write the Final exam after you have completed all the Unit tests. The Final Exam must be written with an invigilator.==

If you do not understand something, seek help right away. In addition to online, resources include your family and friends, your instructor, and /or the Math Help Centres.

> *Math Help: You can get free face-to-face tutoring from our instructional assistants in the Math Help Centres/Labs in E342 (Lansdowne) or CBA 109 (Interurban). Hours are posted on the doors and on the website http://camosun.ca/services/help-centres/.
> *PLEASE NOTE THAT DUE TO COVID19 THERE WILL BE VERY LIMITED FACE-TO-FACE SUPPORT

Math 052 course content

Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit R	**Arithmetic Review** **[This is a Separate Booklet]**			
	Pre-test	0	08-Sep	1
R.1	Place value	1	09-Sep	1
R.2	Comparing numbers	1	10-Sep	1
R.3	Rounding numbers	1	11-Sep	1
R.4	Adding and subtracting whole numbers and decimals	1	12-Sep	1
R.5	Multiplying whole numbers and decimals	2	14-Sep	2
R.6	Powers – repeated multiplication	2	16-Sep	2
R.7	Dividing whole numbers and decimals	2	18-Sep	2
R.8	Order of operations	2	20-Sep	3
R.9	Operations with fractions	1	21-Sep	3
R.10	Equivalent fractions	1	22-Sep	3
R.11	Adding and subtracting fractions	2	24-Sep	3
R.12	Multiplying fractions	1	25-Sep	3
R.13	Dividing fractions	1	26-Sep	3
R.14	Converting fractions and decimals	1	27-Sep	4
R.15	Estimation	1	28-Sep	4
	Post-test	1	29-Sep	4
	Unit R test	1	30-Sep	4
			30-Sep	4
Unit 1 : Chapter 4	**Percent Notation**			
	Pre-test	1	01-Oct	4
4.1	Ratio and proportion	2	03-Oct	4
4.2	Percent Notation	2	05-Oct	5
4.3	Percent and fraction notation	2	07-Oct	5
4.4	Solving percent problems using percent equations	2	09-Oct	5
4.5	Solving percent problems using proportions	2	11-Oct	6
4.6	Applications of percent	2	13-Oct	6
4.7	Sales tax, commission and discount	3	16-Oct	6
4.8	Simple interest and compound interest; credit cards	3	19-Oct	7
	Post-Test (timed 3hrs.)	1	20-Oct	7
	Unit 1 Final Test *(timed 3hrs.)*	1	21-Oct	7
			21-Oct	7
Unit 2 : Chapter 5	**Data, Graphs, and Statistics**			
	Pre-test	1	22-Oct	7
5.1	Averages, medians, and modes	2	24-Oct	7
5.2	Tables and pictographs	2	26-Oct	8
5.3	Bar graphs and line graphs	2	28-Oct	8
5.4	Circle graphs	2	30-Oct	8
	Post-Test (timed 3hrs.)	1	31-Oct	8
	Unit 2 Final Test *(timed 3hrs.)*	1	01-Nov	9

Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit 3: Appendixes	**Measurement**			
	Pre-test	1	02-Nov	9
A	Linear measures: American units and metric units	3	05-Nov	9
B	Weight and mass; medical applications	3	08-Nov	10
C	Capacity; medical applications	3	11-Nov	10
D	Time and temperature	2	13-Nov	10
	Post-Test (timed 3hrs.)	1	14-Nov	10
	Unit 3 Final Test *(timed 3hrs.)*	1	15-Nov	11
Unit 4: Chapter 6	**Geometry**			
	Pre-test	1	16-Nov	11
6.2	Perimeter	2	18-Nov	11
6.3	Area	3	21-Nov	11
6.4	Circles	2	23-Nov	12
6.5	Volume and surface area	3	26-Nov	12
6.8	Similar triangles	3	29-Nov	13
	Post-Test (timed 3hrs.)	1	30-Nov	13
	Unit 4 Final Test *(timed 3hrs.)*	1	01-Dec	13
Unit 5: Chapter 5	**Trigonometry**			
	No pretest for this unit		01-Dec	13
5.1	The right triangle	1	02-Dec	13
5.2	Angles and sides	1	03-Dec	13
5.3	The Pythagorean theorem	2	05-Dec	13
5.4	The tangent ratio	2	07-Dec	14
5.5	Using the tangent ratio	2	09-Dec	14
5.6	The sine and cosine ratios	2	11-Dec	14
5.7	Solving triangles	2	13-Dec	15
	Post-Test (timed 3hrs.)	1	14-Dec	15
	Unit 5 Final Test *(timed 3hrs.)*	1	15-Dec	15
	MATH 052 Final Pre-test	1	16-Dec	15
	MATH 052 Final Post-test	1	17-Dec	15
	MATH 052 Final Exam *(timed 3hrs.)*	1	TBD	

5. Basis of Student Assessment (Weighting)

Six Unit Exams worth 50% | Final Exam worth 50%

➢ You **must** take and pass **all** the unit tests before writing the final exam.
➢ You **must** pass final to pass the course.

Note: Students with a record of poor attendance OR poor progress may be restricted from re-registering in Community Learning Partnerships Department courses.

6. Grading System: Standard Grading System http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf

A+	90–100%	B+	77–79%	C+	65–69%	D	50-59%
A	85–89%	B	73–76%	C	60–64%	F	40-49%
A–	80–84%	B–	70–72%	IP	in progress		

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://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf for information on conversion to final grades, and for additional information on student record and transcript notations.

7. Recommended Resources to Assist Students to Succeed Throughout the Course

Ask your course instructor FIRST and then you could also go to: **ACADEMIC UPGRADING HELP CENTRES (CBA 109 and E342)** http://camosun.ca/services/help-centres/math.html *PLEASE NOTE THAT DUE TO COVID19 THERE WILL BE VERY LIMITED FACE-TO-FACE SUPPORT

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 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.