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.

School of Access – Community Learning Partnerships Department

Math 052 Intermediate Mathematics 1

Winter 2019

COURSE OUTLINE

The calendar description is available on the web @ http://camosun.ca/learn/calendar/current/web/math.html

Ω *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

** See the last page **

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

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 students' 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).

If you do not understand something, seek help right away. Resources include your instructor, your family and friends, 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/.

Math 052 course content				
Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit R	**Arithmetic Review [This is a Separate Booklet]**			
	Pre-test			
R.1	Place value	1	Jan 7	1
R.2	Comparing numbers	1	Jan 8	1
R.3	Rounding numbers	1	Jan 9	1
R.4	Adding and subtracting whole numbers and decimals	2	Jan 10, 11	1
R.5	Multiplying whole numbers and decimals	2	Jan 12, 13	1, 2
R.6	Powers – repeated multiplication	2	Jan 14, 15	2
R.7	Dividing whole numbers and decimals	2	Jan 16, 17	2
R.8	Order of operations	2	Jan 18, 19	2
R.9	Operations with fractions	2	Jan 20, 21	3
R.10	Equivalent fractions	1	Jan 22	3
R.11	Adding and subtracting fractions	2	Jan 23, 24	3
R.12	Multiplying fractions	1	Jan 25	3
R.13	Dividing fractions	1	Jan 26	3
R.14	Converting fractions and decimals	2	Jan 27, 28	4
R.15	Estimation	1	Jan 29	4
	Post-test			
	Unit R test		Jan 30 – Feb 1	4
Unit 1 : Chapter 4	**Percent Notation**			
	Pre-test			
4.1	Ratio and proportion	2	Feb 2, 3	4
4.3	Percent and fraction notation	2	Feb 4, 5	5
4.4	Solving percent problems using percent equations	2	Feb 6, 7	5
4.5	Solving percent problems using proportions	2	Feb 8, 9	5
4.6	Applications of percent	2	Feb 10, 11	5, 6
4.7	Sales tax, commission and discount	2	Feb 12, 13	6
4.8	Simple interest and compound interest; credit cards	2	Feb 14, 15	6
	Post-Test (timed 3hrs.)			
	Unit 1 Final Test *(timed 3hrs.)*		Feb 16 – 19	6, 7
Unit 2 : Chapter 5	**Data, Graphs, and Statistics**			
	Pre-test			
5.1	Averages, medians, and modes	2	Feb 20, 21	7
5.2	Tables and pictographs	2	Feb 22, 23	7
5.3	Bar graphs and line graphs	2	Feb 24, 25	7, 8
5.4	Circle graphs	2	Feb 26, 27	8
	Post-Test (timed 3hrs.)			
	Unit 2 Final Test *(timed 3hrs.)*		Feb 28 –Mar 2	8
Unit 3: Appendixes	**Measurement**			
	Pre-test			
A	Linear measures: American units and metric units	3	Mar 3, 4, 5	8,9
B	Weight and mass; medical applications	3	Mar 6, 7, 8	9
C	Capacity; medical applications	3	Mar 9, 10, 11	9, 10
D	Time and temperature	2	Mar 12, 13	10
	Post-Test (timed 3hrs.)			
	Unit 3 Final Test *(timed 3hrs.)*		Mar 14 – 16	10

Math 052 course content				
Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit 4: Chapter 6	**Geometry**			
	Pre-test			
6.2	Perimeter	2	Mar 17, 18	10, 11
6.3	Area	3	Mar 19,20,21	11
6.4	Circles	2	Mar 22, 23	11
6.5	Volume and surface area	4	Mar 24 – 27	11, 12
6.8	Similar triangles	2	Mar 28. 29	12
	Post-Test (timed 3hrs.)			
	Unit 4 Final Test *(timed 3hrs.)*		Mar 30 – Apr 1	12, 13
Unit 5: Chapter 5	**Trigonometry**			
	No pretest for this unit			
5.1	The right triangle	1	Apr 2	13
5.2	Angles and sides	1	Apr 3	13
5.3	The Pythagorean theorem	1	Apr 4	13
5.4	The tangent ratio	1	Apr 5	13
5.5	Using the tangent ratio	1	Apr 6	13
5.6	The sine and cosine ratios	2	Apr 7, 8	13, 14
5.7	Solving triangles	3	Apr 9, 10, 11	14
	Post-Test (timed 3hrs.)			
	Unit 5 Final Test *(timed 3hrs.)*		Apr 12 – 14	14
	MATH 052 Final Pre-test			
	MATH 052 Final Post-test			
	MATH 052 Final Exam *(timed 3hrs.)*		Apr 15 - 18	

5. Basis of Student Assessment (Weighting)

Six Unit Exams worth 75% | Final Exam worth 25% (You **must** pass the final to pass the course; you must write all the unit exams to write the final.)

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

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.

Instructor Information and schedule:

Name: Pooja Gupta
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Phone: 778-677-0150 (text only)
Office: CBA 150(IU campus) / VNFC

My class schedule this term:

	Monday	Tuesday	Wednesday	Thursday	Friday
9:30 – 12:20	**In class** Saanich Adult Education Centre	**Online class/ Office time** Meetings by appointments only	**In class** Saanich Adult Education Centre	**Online class/ Office time** Meetings by appointments only	Meetings
1:00 – 4:00	**Online class/ Office time** Meetings by appointments only	**In class** Victoria Native Friendship Centre	**Online class/ Office time** Meetings by appointments only	**In class** Songhees Wellness Centre	

Important Dates this Fall term:

January 7 – Term Starts
February 18 – Family Day (College closed)
February 19 to 22 – Reading break
February 15 – T2202A Education Tax Receipts available
April 13 – Last day of instruction
April 15 to 18 – Exams
April 19 – Good Friday (College closed)
April 22 – Easter Monday (College closed)
April 20 - Term Ends

For more information on important dates go to the following link:
http://camosun.ca/events/important-dates.html?y=2019

Note: - Please seek help as soon as possible so that I can help you to be successful this term. As emails are accessible from any location, I prefer **emails** to phone calls.

The **Deadlines - Fees, Add/Drop and Tuition Refund** information can be found here:
http://camosun.ca/learn/fees/#deadlines