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 053 Intermediate Mathematics 2
Fall 2019
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 students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.*

1. Instructor Information

(a) Instructor	Pooja Gupta
(b) Office hours	By appointment
(c) Location	Lansdowne campus Ewing 220
(d) Phone	250-370-3489
(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 introductory algebra
- apply a variety of strategies in solving math-related problems
- apply knowledge and skills in introductory algebra to solve problems
- use knowledge of introductory algebra as a basis for further study in Advanced-level algebra, math for technology, and other courses and programs

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) Scientific calculator: The Sharp EL 531W model will be the only calculator allowed for this course
(c) Reliable access to the internet
(d) Registration with MyMathLab: http://www.pearsonmylabandmastering.com/northamerica/mathxl/students/get-registered/index.html
(e) 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 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).
Contact your instructor to get permission to write the Final exam after you have completed all 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/.

Math 053 course content				
Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit R	**Arithmetic Review [This is a Separate Booklet]**		03-Sep	1
	Pre-test	0	03-Sep	1
R.1	Place value	0.5	03-Sep	1
R.2	Comparing numbers	0.5	04-Sep	1
R.3	Rounding numbers	1	05-Sep	1
R.4	Adding and subtracting whole numbers and decimals	1	06-Sep	1
R.5	Multiplying whole numbers and decimals	1	07-Sep	1
R.6	Powers – repeated multiplication	1	08-Sep	2
R.7	Dividing whole numbers and decimals	1	09-Sep	2
R.8	Order of operations	1	10-Sep	2
R.9	Operations with fractions	1	11-Sep	2
R.10	Equivalent fractions	1	12-Sep	2
R.11	Adding and subtracting fractions	2	14-Sep	2
R.12	Multiplying fractions	1	15-Sep	3
R.13	Dividing fractions	1	16-Sep	3
R.14	Converting fractions and decimals	2	18-Sep	3
R.15	Estimation	1	19-Sep	3
	Post-test	1	20-Sep	3
	Unit R test	1	21-Sep	3
			21-Sep	3
Unit 1 : Chapter 7	**Introduction to Real Numbers and Algebraic Expressions**		21-Sep	3
			21-Sep	3
	Pre-test	1	22-Sep	4
7.1	Introduction to algebra	2	24-Sep	4
7.2	The real numbers	2	26-Sep	4
7.3	Addition of real numbers	1	27-Sep	4
7.4	Subtraction of real numbers	1	28-Sep	4
7.5	Multiplication of real numbers	1	29-Sep	5
7.6	Division of real numbers	2	01-Oct	5
7.7	Properties of real numbers	2	03-Oct	5
7.8	Simplifying expressions; order of operations	2	05-Oct	5
	Post-Test (timed 3hrs.)	1	06-Oct	6
	Unit 1 Final Test *(timed 3hrs.)*	1	07-Oct	6
			07-Oct	6
Unit 2 : Chapter 8	**Solving Equations and Inequalities**		07-Oct	6
	Pre-test	1	08-Oct	6
8.1	Solving equations: the addition principle	2	10-Oct	6
8.2	Solving equations: the multiplication principle	2	12-Oct	6
8.3	Using the principles together	2	14-Oct	7
8.4	Formulas	3	17-Oct	7
8.5	Applications of percent	2	19-Oct	7
8.6	Applications and problem solving	2	21-Oct	8
8.7	Solving inequalities	2	23-Oct	8
8.8	Applications and problem solving with inequalities	2	25-Oct	8
	Post-Test (timed 3hrs.)	1	26-Oct	8
	Unit 2 Final Test *(timed 3hrs.)*	1	27-Oct	9

Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit 3: Chapter 9	**Graph of Linear Equations**		27-Oct	9
	Pre-test	1	28-Oct	9
9.1	Graphs and applications of linear equations	2	30-Oct	9
9.2	More with graphing and intercepts	2	01-Nov	9
9.3	Slope and applications	2	03-Nov	10
9.4	Equations of lines	2	05-Nov	10
9.5	Graphing using the slope and y-intercept	1	06-Nov	10
	Post-Test (timed 3hrs.)	1	07-Nov	10
	Unit 3 Final Test *(timed 3hrs.)*	1	08-Nov	10
Unit 4: Chapter 10/11	**Polynomials: Operations & Factoring**		08-Nov	10
	Pre-test	1	09-Nov	10
10.1*	Integers as exponents	2	11-Nov	11
10.2*	Exponents and scientific notation	3	14-Nov	11
	* after 10.2, complete supplementary exercises on exponents #1−25	2	16-Nov	11
10.3	Introduction to polynomials	1	17-Nov	12
10.4	Addition and subtraction of polynomials	2	19-Nov	12
10.5	Multiplication of polynomials	3	22-Nov	12
10.6	Special products	3	25-Nov	13
10.7	Operations with polynomials in several variables	3	28-Nov	13
10.8a	Division of polynomials by a monomial	2	30-Nov	13
11.1ab	Introduction to common factoring	3	03-Dec	14
11.2	Factoring trinomials of the type $x^2 + bx + c$	2	05-Dec	14
11.5cd	Factoring differences of squares	2	07-Dec	14
	Post-Test (timed 3hrs.)	1	08-Dec	15
	Unit 4 Final Test *(timed 3hrs.)*	1	09-Dec	15
	MATH 053 Final Pre-test	1	10-Dec	15
	MATH 053 Final Post-test	1	11-Dec	15
	MATH 053 Final Exam *(timed 3hrs.)*	1	TBD	

5. Basis of Student Assessment (Weighting)

Five 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

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.