



School of Access
Community Learning Partnerships
MATH 052 DS19
Intermediate Mathematics 1
Course Outline – Summer 2018

The Approved Course Description is available on the College website

<http://camosun.ca/learn/calendar/current/web/math.html>

*Ω Please note: the College electronically stores this outline for five (5) years only.
It is **strongly recommended** you keep a copy of this outline with your academic records.
You will need this outline for any future application/s for transfer credit/s to other
colleges/universities.*

Instructor Information:

Name: Pooja Gupta

Email: guptap@camosun.ca

Phone: 250-370-3848

Office: CBA 149

Important Dates this Winter term:

- May 7 – Term Starts
- May 21 – Victoria Day (College closed)
- July 1,2 – Canada Day (College closed)
- August 6 – British Columbia Day (College closed)
- August 10 – Last day of instruction
- August 13 to 20 – Exams
- August 20 - Term Ends

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.

Prerequisite(s): MATH 026, **or** assessment. (<http://camosun.ca/learn/calendar/current/web/math.html>)

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)

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

1. use mathematics at an ABE Intermediate level with competence
2. demonstrate knowledge and skills in using the language, principles, and operations of consumer math (arithmetic, statistics, measurement), geometry, and trigonometry



MATH 052 DS19
Intermediate Mathematics 1
Course Outline – Summer 2018

3. apply a variety of strategies in solving math-related problems
4. apply knowledge and skills in consumer math, geometry, and trigonometry to solve problems
5. use knowledge of consumer math, geometry, and trigonometry as a basis for further study in Intermediate-level algebra and math for trades

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: **gupta87567**

Course Content and Schedule

Self-paced Instructions

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. 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 052 DS19
Intermediate Mathematics 1
Course Outline – Summer 2018

Math 052 course content				
Section	Topic	Suggested Time (Days)	Suggested Date	Suggested Week
Unit R	Arithmetic Review (no calculator) [This is a Separate Booklet]			
	Pre-test			
R.1	Place value	1	May 7	1
R.2	Comparing numbers	1	May 8	1
R.3	Rounding numbers	1	May 9	1
R.4	Adding and subtracting whole numbers and decimals	2	May 10, 11	1
R.5	Multiplying whole numbers and decimals	2	May 12, 13	1, 2
R.6	Powers – repeated multiplication	2	May 14, 15	2
R.7	Dividing whole numbers and decimals	2	May 16, 17	2
R.8	Order of operations	2	May 18, 19	2
R.9	Operations with fractions	2	May 20, 21	2, 3
R.10	Equivalent fractions	1	May 22	3
R.11	Adding and subtracting fractions	2	May 23, 24	3
R.12	Multiplying fractions	1	May 25	3
R.13	Dividing fractions	1	May 26	3
R.14	Converting fractions and decimals	2	May 27, 28	3, 4
R.15	Estimation	1	May 29	4
	Post-test			
	Unit R test (no calculator)		May 30 – Jun 1	4
Unit 1 : Chapter 4	Percent Notation			
	Pre-test			
4.1	Ratio and proportion	2	Jun 2, 3	4
4.3	Percent and fraction notation	2	Jun 4, 5	5
4.4	Solving percent problems using percent equations	2	Jun 6, 7	5
4.5	Solving percent problems using proportions	2	Jun 8, 10	5
4.6	Applications of percent	2	Jun 11, 12	6
4.7	Sales tax, commission and discount	2	Jun 13, 14	6
4.8	Simple interest and compound interest; credit cards	2	Jun 15, 16	6
	Post-Test (timed 3hrs.)			
	Unit 1 Final Test (timed 3hrs.)		Jun (17 -19)	7



MATH 052 DS19
Intermediate Mathematics 1
Course Outline – Summer 2018

Unit 2 : Chapter 5	Data, Graphs, and Statistics			
	Pre-test			
5.1	Averages, medians, and modes	2	Jun 20, 21	7
5.2	Tables and pictographs	2	Jun 22, 23	7
5.3	Bar graphs and line graphs	2	Jun 24, 25	7, 8
5.4	Circle graphs	2	Jun 26, 27	8
	Post-Test (timed 3hrs.)			
	Unit 2 Final Test (timed 3hrs.)		Jun (28 - 30)	8
Unit 3: Appendixes	Measurement			
	Pre-test			
A	Linear measures: American units and metric units	3	Jul 1, 2, 3	8,9
B	Weight and mass; medical applications	3	Jul 4, 5, 6	9
C	Capacity; medical applications	3	Jul 7, 8, 9	9, 10
D	Time and temperature	2	Jul 10, 11	10
	Post-Test (timed 3hrs.)			
	Unit 3 Final Test (timed 3hrs.)		Jul (12 -15)	10
Unit 4: Chapter 6	Geometry			
	Pre-test			
6.2	Perimeter	2	Jul 16, 17	11
6.3	Area	3	Jul 18, 9, 20	11
6.4	Circles	2	Jul 21, 22	11
6.5	Volume and surface area	4	Jul 23 - Jul 26	12
6.8	Similar triangles	2	Jul 27, 28	12
	Post-Test (timed 3hrs.)			
	Unit 4 Final Test (timed 3hrs.)		Jul (29 – 31)	12, 13
Unit 5: Chapter 5	Trigonometry			
	<i>No pretest for this unit</i>			
5.1	The right triangle	1	Aug 1	13
5.2	Angles and sides	1	Aug 2	13
5.3	The Pythagorean theorem	1	Aug 3	13
5.4	The tangent ratio	1	Aug 4	13
5.5	Using the tangent ratio	1	Aug 5	13
5.6	The sine and cosine ratios	2	Aug 6, 7	14
5.7	Solving triangles	3	Aug 8, 9, 10	14
	Post-Test (timed 3hrs.)			
	Unit 5 Final Test (timed 3hrs.)		Aug 13	14
	MATH 052 Final Pre-test			
	MATH 052 Final Post-test			
	MATH 052 Final Exam (timed 3hrs.)		Aug (13 – 17)	



MATH 052 DS19
Intermediate Mathematics 1
Course Outline – Summer 2018

Grade Calculation¹: Six Unit Exams worth 75% | Final Exam worth 25% (You **must** pass final to pass the course)

Grading System :

Percentage	Grade	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
<50%	F	0
In Progress	IP	N/A

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, Registrar’s Office or the College web site at:
<http://www.camosun.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, or the College web site at:
<http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf>

STUDENT GRADING POLICY

¹ As this is a mastery-based course, the goal for each test is 75% or better. If you scored less than 75% then you will need to rewrite the test before you continue. Note: Tests can only be rewritten once for a total of two times and all test scores are averaged to calculate a final mark



MATH 052 DS19
Intermediate Mathematics 1
Course Outline – Summer 2018

A new student grading policy is in effect for students in the School of Access. This information is available in the College Calendar, Registrar's Office or the College web site at:

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

ACADEMIC PROGRESS POLICY

There is an Academic Progress Policy designed to enhance a learner's likelihood of success. Students should 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 or the College web site at:

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