

COURSE SYLLABUS



COURSE TITLE: MATH 023 – Fundamental Math 3
 CLASS SECTION: S16
 TERM: 2024W
 COURSE CREDITS: 0
 DELIVERY METHOD(S): Self-paced In-person

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here. Learn more about Camosun’s [Territorial Acknowledgement](#).

INSTRUCTOR DETAILS

NAME: Puja Gupta
 EMAIL: guptap@camosun.ca (best way to reach me)
 OFFICE: CBA 129 PHONE: 250-370-4931 (Voicemail only)
 HOURS: Monday, Wednesday 1:00 AP to 3:50 PM @ VNFC - Camosun classroom

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

CALENDAR DESCRIPTION

Students will advance a foundation of basic mathematics skills, concepts, vocabulary, and problem-solving strategies to prepare them to meet personal, career, or academic goals. Students will complete tasks related to the following topics: multiplying and dividing whole numbers, metric units, perimeter and area. Students will advance automaticity and estimation skills to increase their confidence and competence in mathematics.

PREREQUISITE(S): All of COM in ENGL 023 and C in MATH 022
 Or all of COM in ELD 052 and ELD 054, C in MATH 022

COURSE LEARNING OUTCOMES / OBJECTIVES

Upon successful completion of this course a student will be able to:

Learning Outcome <i>Students will be able to . . .</i>	Sub-outcomes / skills <i>By achieving this broader outcome, students will demonstrate that they can also . . .</i>
Evaluate expressions using multiplication and division with carrying and with/without remainder	Memorize division and multiplication facts Recognize the relationship between X and -/- Estimate products and quotients
Divide and multiply whole numbers by 10, 100's, and 1000's.	Solve single and multi-step multiplication and division word problems reflecting real life situations
Translate multiplication and division into mathematical expressions to solve multi-step word problems reflecting real life situations	Apply multiplication and division to real life situations Apply or use examples of keywords Define basic prefixes of metric system
Demonstrate division by regrouping	Calculate area of a square and rectangle

Use mathematical vocabulary and language to communicate concepts	Compare and contrast perimeter and area informally, using a drawing or a shape
Recognize basic metric units	

This course meets the required learning outcomes for Fundamental Mathematics as outlined in the BC ABE Articulation Handbook.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

1. Textbook: Adult Literacy Fundamental Mathematics Book Three

Supplementary Materials: three-ring binder, lined paper, graph paper, pencils, eraser, ruler, highlighter

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

This class is expected to be a combination of online, blended and in-person instruction. The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

Unit	Topic	MATH 023 Course Content – Book Three	Week
1		Number Sense	Week 1
	A	Emotions and Learning	
2		Multiplication	Week 1-4
	A	Multiplying Larger Numbers	
	B	Two- and Three-Digit Multipliers	
	C	Estimating Products	
	D	Multiplication Problems	
		Unit 2 Review	
		Unit 2 Final Test	
3		Division	Week 5-10
	A	Introduction and Division Facts	
	B	Divisibility	
	C	Dividing Larger Numbers by One Digit Divisors	
	D	Dividing by Two and Three Digit Divisors	
	E	Estimating Quotients	
	F	Division Problems	
	G	Mixed Problems	
		Unit 3 Review	
		Unit 3 Final Test	
4		Change, Time and the Metric System	Week 11-15
	A	Counting to Make Change	
	B	Making Change	

	C	Converting Units of Time	
	D	The Metric System	
		Unit 4 Review	
		Unit 4 Final Test	

For each unit, students are expected to prepare for the Unit Final Test by completing the Unit Review. Students are encouraged to consult with their instructor for authorization to write the Unit Final Test and proceed to the next unit if the score is 75% or better. Students rewrite the Unit Final Test for scores less than 75%. *Calculators may not be used unless approved by the instructor.* Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines can be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html).
<http://camosun.ca/services/accessible-learning/exams.html>

EVALUATION OF LEARNING

This course is graded based on the average of all Unit Final Test passing scores.

DESCRIPTION		WEIGHTING
Unit 1	Number Sense	25%
Unit 2	Multiplication	25%
Unit 3	Division	25%
Unit 4	Change, Time and the Metric System	25%
If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the Grade Review and Appeals policy for more information. http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf		TOTAL 100%

COURSE GUIDELINES & EXPECTATIONS

This is a self-paced course. Students have the flexibility to follow an individually-adaptable timeline to complete the learning outcomes and unit tests. This course consists of 6 (online, blended and/or in-person) hours of class time and 4 hours of lab time per week. Lab time includes but is not limited to tutorials with an instructor and/or instructional assistants and using the instructional resources in the Help Centre and library, virtually and in person. The course completion time will vary for each student, depending on a number of factors, including students' current level of math skills, motivation, learning rate, and time devoted to study. Students have a responsibility to work hard, attend class and/or meetings, and ask for support when needed.

SCHOOL AND DEPARTMENTAL INFORMATION

Community Learning Partnerships (CLP), a department of the School of Access, brings education to community-based sites to make it easier for students to begin or return to learning in a less intimidating place than on the college campus. Students can build or refresh their skills to meet admission requirements and be successful in other college programs. Students learn in a comfortable environment with other adults who share similar backgrounds and get help from friendly and compassionate Camosun instructors and staff. Community Learning Partnerships department: <http://camosun.ca/learn/school/access/community-partnerships/index.html>.

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit camosun.ca/services.

Support Service	Website
Academic Advising	camosun.ca/services/academic-supports/academic-advising
Accessible Learning	camosun.ca/services/academic-supports/accessible-learning
Counselling	camosun.ca/services/health-and-wellness/counselling-centre
Career Services	camosun.ca/services/co-operative-education-and-career-services
Financial Aid and Awards	camosun.ca/registration-records/financial-aid-awards
Help Centres (Math/English/Science)	camosun.ca/services/academic-supports/help-centres
Indigenous Student Support	camosun.ca/programs-courses/iecc/indigenous-student-services
International Student Support	camosun.ca/international
Learning Skills	camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills
Library	camosun.ca/services/library
Office of Student Support	camosun.ca/services/office-student-support
Ombudsperson	camosun.ca/services/ombudsperson
Registration	camosun.ca/registration-records/registration
Technology Support	camosun.ca/services/its
Writing Centre	camosun.ca/services/academic-supports/help-centres/writing-centre-learning-skills

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

Academic Integrity

Students are expected to comply with all College policy regarding academic integrity; which is about honest and ethical behaviour in your education journey. The following guide is designed to help you understand your responsibilities: <https://camosun.libguides.com/academicintegrity/welcome>

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for Camosun's Academic Integrity policy and details for addressing and resolving matters of academic misconduct.

Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized

Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca 250-370-3046 or 250-370-3841

Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

Looking for other policies?

The full suite of College policies and directives can be found here: <https://camosun.ca/about/camosun-college-policies-and-directives>

Changes to this Syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.