

# COURSE SYLLABUS



COURSE TITLE: Math 023 Fundamental Math 4

CLASS SECTION: DS05

TERM: 06 January—18 April 2025

COURSE CREDITS: 0

DELIVERY METHOD(S): Online

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](#).

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*Camosun College requires mandatory attendance for the first-class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.*

## INSTRUCTOR DETAILS

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NAME: Saeed Sheshehgar

EMAIL: sheshehgars@camosun.ca

CLASS HOURS: Tuesday & Thursday, 5:00-7:50 PM

VIRTUAL CLASSROOM: <https://whereby.com/saeedclass>

OFFICE Hours: By appointment

*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

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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.

Prerequisites All

of:

- COM in [ENGL 023](#) and C in [MATH 022](#)

Or all of:

- COM in [ELD 052](#) and COM in [ELD 052](#) and C in [MATH 022](#)

(complete ABE Fundamental Mathematics learning outcomes at ABE Articulation Handbook website <https://www.bccat.ca/pubs/2018-19%20ABE%20Articulation%20Guide.pdf> )

On completion of the course students will be able to...

- Use math vocabulary related to multiplying and dividing whole numbers, metric units, area, and perimeter.
- Multiply whole numbers with and without carrying.
- Divide whole numbers with and without remainders.
- Estimate products and quotients.
- Determine whether a number is divisible by 2, 3, 5, 9, and 10.
- Use multiplication or division to solve multi-step application problems.
- Solve multi-operation application problems.
- Calculate the area and perimeter of squares and rectangles.
- Work independently on the materials provided, and ask for help when needed.
- Use strategies to organize work and notes, and to manage time and math anxiety.

#### REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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(a) textbook: *Adult Literacy Fundamental Mathematics Book Three*

This textbook can be either purchased through this [link](#) to the Camosun Bookstore; or it is available for free download here [Adult Literacy Fundamental Mathematics Book Three](#)

#### **Supplementary Materials**

(b) additional math 023 materials can be found here: <https://acfmth.opened.ca/>.

(c) three-ring binder, lined paper, graph paper

(d) pencils, eraser, ruler, highlighter, file cards

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

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##### *Self-paced Instructions*

(a) for each topic of the book listed below, study the explanations and examples, then work through and check your answers to as many exercise problems as you need to fully understand

- (b) ask for help when you have difficulties, or when you don't understand something
- (c) complete the Self-Tests for each topic and check your answers, then to prepare for the unit Final Test, complete the Review problems at the end of each unit
- (d) after clearing up any problems and correcting your errors, ask your instructor for authorization to write the unit Final Test
- (e) review your Final Test results with the instructor, and proceed to the next unit if you score 75% or better, or rewrite the Final Test if you score less than 75%
- (f) calculators may not be used on the Final Tests, unless approved by the instructor

| unit     | topic | MATH 023 course content – Book Three          | date |
|----------|-------|---|------|
| <b>1</b> |       | <b>Number Sense</b>                           |      |
|          | A     | Emotions and Learning                         |      |
| <b>2</b> |       | <b>Multiplication</b>                         |      |
|          | A     | Multiplying Larger Numbers                    |      |
|          | B     | Two and Three Digit Multipliers               |      |
|          | C     | Estimating Products                           |      |
|          | D     | Multiplication Problems                       |      |
|          |       | Unit 2 Review                                 |      |
|          |       | Unit 2 Final Test                             |      |
| <b>3</b> |       | <b>Division</b>                               |      |
|          | 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                             |      |
| <b>4</b> |       | <b>Change, Time and the Metric System</b>     |      |
|          | A     | Counting to Make Change                       |      |
|          | B     | Making Change                                 |      |
|          | C     | Converting Units of Time                      |      |
|          | D     | The Metric System                             |      |
|          |       | Unit 4 Review                                 |      |
|          |       | Unit 4 Final Test                             |      |

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 notice 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

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The MATH 023 course grade is based on the average of all unit Final Test passing scores.



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.

## STUDENT RESPONSIBILITY

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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

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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 <http://camosun.ca/students/>.

| Support Service                     | Website   |
|-------------------------------------|---|
| Academic Advising                   | <a href="http://camosun.ca/advising">http://camosun.ca/advising</a>                       |
| Accessible Learning                 | <a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a> |
| Counselling                         | <a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>                 |
| Career Services                     | <a href="http://camosun.ca/coop">http://camosun.ca/coop</a>                               |
| Financial Aid and Awards            | <a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>               |
| Help Centres (Math/English/Science) | <a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>               |
| Indigenous Student Support          | <a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>                   |
| International Student Support       | <a href="http://camosun.ca/international/">http://camosun.ca/international/</a>           |
| Learning Skills                     | <a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>           |
| Library                             | <a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>     |
| Office of Student Support           | <a href="http://camosun.ca/oss">http://camosun.ca/oss</a>                                 |
| Ombudsperson                        | <a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>                           |

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| Support Service    | Website   |
|--------------------|---|
| Registration       | <a href="http://camosun.ca/registration">http://camosun.ca/registration</a>     |
| Technology Support | <a href="http://camosun.ca/its">http://camosun.ca/its</a>                       |
| Writing Centre     | <a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a> |

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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.

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## COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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### 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 Integrity

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

### 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.

### Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the “Attendance” section under “Registration Policies and Procedures” (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

### 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](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto:oss@camosun.ca) or by phone: 250-370-3046 or 250-3703841

### 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.

**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.