



Welcome to Camosun College!

Camosun College campuses are located on the traditional territories of the Lkwungen and WSÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.

School of Access – Community Learning Partnerships Department

MATH 022 Fundamental Mathematics 2

COURSE OUTLINE

The Approved Course Description is available on the College website

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

1. Instructor Information

| | |
|------------------|--|
| (a) Instructor | Karen Lightbody |
| (b) Office hours | By appointment |
| (c) Location | Victoria Native Friendship Centre |
| (d) Phone | 250-370-3675 |
| (e) E-mail | lightbodyk@camosun.ca |

2. Course Schedule

Monday and Wednesday 1:00 – 3:50 pm

3. Intended Learning Outcomes

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

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

- Use math vocabulary related to the multiplication facts, and to place value, estimating, ordering, adding, and subtracting whole numbers to 1,000,000.
- Identify place value and compare the magnitude of whole numbers.
- Round whole numbers to a given place.
- Add whole numbers with and without carrying.
- Subtract whole numbers with and without borrowing.
- Estimate sums and differences.
- Memorize the multiplication facts to 10 x 10.
- Write numbers as multiplication or repeated addition.
- Use addition or subtraction to solve multi-step application problems.
- Use multiplication to solve one-step application problems.
- Add and subtract time measurements, and convert between 12 and 24 hour notation.
- 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.

4. Required Materials

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

Supplementary Materials

- (b) three-ring binder, lined paper, graph paper
- (c) pencils, eraser, ruler, highlighter, file cards

5. Course Content

Self-paced Instructions

- 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
- ask for help when you have difficulties, or when you don't understand something
- 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
- after clearing up any problems and correcting your errors, ask your instructor for authorization to write the unit Final Test
- 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%
- calculators may not be used on the Final Tests, unless approved by the instructor

The course completion time will vary for each student, depending on a number of factors, including your current level of math skills, motivation, learning rate, and how much time you have to study math, either at the college or at home. Students generally need to spend 5–15 hours of study time per week to complete each math course within a reasonable amount of time.

| unit | topic | MATH 022 course content – Book Two | date |
|------|------------------------------------|------------------------------------|------|
| 1 | | Number Sense | |
| | A | Emotions and Learning | |
| | B | Expanded Form | |
| | C | Place Value | |
| | D | Ordering Numerals | |
| | E | Rounding Numbers | |
| | | Unit 1 Review Unit 1 Final Test | |
| 2 | | Addition | |
| | A | Addition | |
| | B | Addition with Carrying | |
| | C | Estimating Answers in Addition | |
| | | Unit 2 Review Unit 2 Final Test | |
| 3 | | Subtraction | |
| | A | Subtraction | |
| | B | Subtraction of Larger Numbers | |
| | C | Renaming | |
| | D | Subtraction with Borrowing | |
| | E | Estimating Answers in Subtraction | |
| | F | Problem Solving | |
| | Unit 3 Review Unit 3 Final Test | | |
| 4 | | Making Change and Time | |
| | A | Counting to Make Change | |
| | B | Making Change | |
| | C | Telling Time | |
| | D | Adding Units of Time | |
| | Unit 4 Review Unit 4 Final Test | | |

6. Basis of Student Assessment

The MATH 022 course grade is based on the average of all unit Final Test passing scores.

Note:

Students with a record of poor attendance OR poor progress may be restricted from re-registering in Academic and Career Foundations Department courses.

7. 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.

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/>

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/services/>

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.