



CAMOSUN COLLEGE
School of Access
Academic and Career Foundations Department

MATH 024 Fundamental Mathematics 4
Winter 2017(January 9 - April 21, 2017)

Section S02

COURSE OUTLINE

The Approved Course Description is available on the College website <http://www.camosun.ca/learn/calendar/current/>

My Schedule **Jan. 9-April. 27, 2017**
 Website: <https://sites.camosun.ca/acf-math/>

| Winter 2017 Schedule Nicolas Mai Ph: 370 – 3848 | | | | | |
|--|-------------------------|--------------------------------|-------------------------|--------------------------------|-------------------------|
| Office: Interurban CBA 149 | | | | | |
| Time | Monday | Tuesday | Wednesday | Thursday | Friday |
| 8:30 | | | | | |
| 10:30 | Math S02 CBA 117 | Office CBA 149 | Math S02 CBA 117 | Office CBA 149 | Office CBA 149 |
| 11:20 | | | | | |
| 12:20 | Lunch | Math S03 CBA 117 | Lunch | Math S03 CBA 117 | Math S03 CBA 117 |
| | | Lunch | | Lunch | Lunch |
| 12:30-3:20 | Math S05 | Help Centre CBA 109 1-2 | Math S05 | Help Centre CBA 109 1-2 | Dept. Meetings |
| 4:30 | | Office CBA 149 | | Office CBA 149 | |

e-mail: mai@camosun.bc.ca

Office Hours By Appointment

2. Intended Learning Outcomes

(complete ABE Fundamental Mathematics learning outcomes at ABE Articulation Handbook website <http://www.aved.gov.bc.ca/abe/handbook.pdf>)

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

- Use math vocabulary related to place value, adding, subtracting, multiplying, and dividing decimals to 10,000ths.
- Identify place value and compare the magnitude of decimals.
- Round decimals to a given place.
- Add, subtract, multiply, and divide decimals.
- Use addition, subtraction, multiplication, or division of decimals to solve application problems.
- Solve multi-operation application problems involving decimals.
- Measure length, mass, capacity, and temperature using metric and imperial devices.
- Convert measurements within the metric system.
- Add and subtract metric measurements.
- 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.

3. Required Materials

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

Supplementary Materials

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

4. Course Content and Schedule

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

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 024 course content – Book Four | date |
|------|-------|-------------------------------------|------|
| 1 | | Working With Decimals | |
| | A | Part of the Whole Thing | |
| | B | Reading and Writing Decimals | |
| | C | Comparing Decimals | |
| | D | Review: Rounding Whole Numbers | |
| | | Unit 1 Review | |
| | | Unit 1 Final Test | |
| | | | |

| | | | | |
|----------|---|--|--|--|
| 2 | | Adding and Subtracting Decimals | | |
| | A | Adding Decimals | | |
| | B | Subtracting Decimals | | |
| | C | Bookkeeping | | |
| | | Unit 2 Review | | |
| | | Unit 2 Final Test | | |
| | | | | |
| 3 | | Multiplying Decimals | | |
| | A | Multiplying Decimals | | |
| | | Unit 3 Review | | |
| | | Unit 3 Final Test | | |
| | | | | |
| 4 | | Dividing Decimals | | |
| | A | Dividing Decimals | | |
| | | Unit 4 Review | | |
| | | Unit 4 Final Test | | |
| | | | | |
| | | | | |

| unit | topic | MATH 024 course content – Book Four | date |
|----------|-------|-------------------------------------|------|
| 5 | | Using Decimals in Real Life | |
| | A | Unit Pricing | |
| | B | Decimal Problems | |
| | | Unit 5 Review | |
| | | Unit 5 Final Test | |
| 6 | | Measurement | |
| | A | Why Metric? | |
| | B | The Prefixes | |
| | C | Measuring | |
| | D | Conversion Within the Metric System | |
| | | Unit 6 Review | |
| | | Unit 6 Final Test | |
| | | | |
| | | | |
| | | | |

5. Basis of Student Assessment (Weighting)

The MATH 024 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.

6. Grading System

(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

| | | | | | |
|----|---------|----|--------|----|-------------|
| A+ | 90–100% | B+ | 77–79% | C+ | 65–69% |
| A | 85–89% | B | 73–76% | C | 60–64% |
| A– | 80–84% | B– | 70–72% | IP | in progress |

7. Learning Support and Services for Students

ACADEMIC UPGRADING HELP CENTRE (CBA 109)

Help with coursework, reference & learning materials library,
computers & printer, quiet testing & study areas

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 Policies

ACADEMIC PROGRESS

The purpose of this policy is to enhance a learner's likelihood of success, and to encourage the learner to use College resources effectively.

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

GRADING

The purpose of this policy is to ensure that grading and promotion are consistent and fair. <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>