



**CAMOSUN COLLEGE**  
**School of Access**  
**Academic and Career Foundations Department**

**MATH 037 Math for Professional Cook Program**  
**Summer 2013**

**COURSE OUTLINE**

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

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**1. Instructor Information**

**Instructor:** Alison Bowe  
**Office:** CBA 150

**Voicemail:** 370-4911  
**e-mail:** [bowe@camosun.bc.ca](mailto:bowe@camosun.bc.ca)

**Text only:** 250.881.0264

**OFFICE HOURS BY APPOINTMENT**

**July -August 2013 Schedule**

| <b>Time</b>          | <b>Monday</b>                               | <b>Tuesday</b>              | <b>Wednesday</b>                                   | <b>Thursday</b>             | <b>Friday</b>                               |
|----------------------|---|-----------------------------|--|-----------------------------|---|
| <b>8:30 – 10:30</b>  |   | <b>Math S01<br/>CBA 117</b> |  | <b>Math S01<br/>CBA 117</b> |   |
| <b>10:30 – 11:30</b> | <b>Math S02<br/>CBA 117</b>                 | <b>Math S01<br/>CBA 117</b> | <b>Math S02<br/>CBA 117</b>                        | <b>Math S01<br/>CBA 117</b> | <b>Math S02<br/>CBA 117</b>                 |
| <b>11:30 – 12:30</b> | <b>Math S02<br/>CBA 117</b>                 |                             | <b>Math S02<br/>CBA 117</b>                        |                             | <b>Math S02<br/>CBA 117</b>                 |
| <b>12:30 – 3:30</b>  | Office Hours<br>CBA 150<br>(By Appointment) | <b>Math S03<br/>CBA 117</b> | 1:00 – 3:00<br>Help Centre<br>CBA 109<br>(Drop In) | <b>Math S03<br/>CBA 117</b> | Office Hours<br>CBA 150<br>(By Appointment) |
| <b>3:30-4:30</b>     | Office Hours<br>CBA 150                     |                             | Office Hours<br>CBA 150                            |                             | Office Hours<br>CBA 150                     |

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

1. demonstrate knowledge and skills in using the principles and operations of arithmetic and measurement
2. apply a variety of strategies in solving math-related problems
3. apply knowledge and skills in arithmetic and measurement to solve problems related to the Professional Cook Foundations Program
4. use knowledge of arithmetic, measurement, and applied problems as a basis for further study in the Professional Cook Foundations Program

### 3. Required Materials

- (a) textbook: *Line B, Solve Mathematical Problems, Trades Common Core*
- (b) course outline: including *Applied Math Problems for the Professional Cook Program*
- (c) scientific calculator
- (d) optional supplementary materials from MATH 023/024/025/026/034

### 4. Course Content and Schedule

**Classes run from July 3 to August 20, 2013.**

The College will be closed on Monday, August 5, for BC Day.

#### Self-paced Instructions

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 work on this course. Students generally need to spend 5–15 hours of study time per week, either at the college or at home, to complete a math course within 4 months.

The table below lists the six competencies or chapters in the Line B text that are required for the Professional Cook Foundations Program. Follow these steps to complete each competency:

1. skip the Pre-Test
2. study the explanations and examples
3. answer and check **all** questions in the order listed in the table below
4. complete all of the Professional Cook Applied Problems for that competency
5. ask the instructor for help whenever you need it

To prepare for the Final Test, write the Practice Test and review your results with the instructor.

| MATH 037 course content                | Line B<br>page # | question<br># |  |  |
|--|------------------|---------------|--|--|
| <b>Competency B-1 – Whole Numbers</b>  |                  |               |  |  |
|  | 5                | 1-4           |  |  |
|  | 3                | 1-5           |  |  |
|  | 7                | 1-5           |  |  |
| B-1 Professional Cook Applied Problems |                  | 1-10          |  |  |
| <b>Competency B-2 – Fractions</b>      |                  |               |  |  |
|  | 15               | 1-4           |  |  |
|  | 17               | 1-4           |  |  |
|  | 20               | 1-4           |  |  |
|  | 21               | 1-5           |  |  |
|  | 11               | 1-20          |  |  |
|  | 23               | 1-15          |  |  |
| B-2 Professional Cook Applied Problems |                  | 1-10          |  |  |
| <b>Competency B-3 – Decimals</b>       |                  |               |  |  |
|  | 32               | 1-2           |  |  |
|  | 33               | 1-2           |  |  |
|  | 37               | 1-5           |  |  |
|  | 29               | 1-10          |  |  |
|  | 38               | 1-15          |  |  |
| B-3 Professional Cook Applied Problems |                  | 1-10          |  |  |

| MATH 037 course content                                  | Line B page # | question # |  |  |
|--|---------------|------------|--|--|
| <b>Competency B-4 – Metric and Imperial Measurements</b> |               |            |  |  |
|  | 46            | 1-2        |  |  |
|  | 49            | 1-6        |  |  |
|  | 43            | 1-2        |  |  |
|  | 50            | 1-2        |  |  |
| B-4 Professional Cook Applied Problems                   |               | 1-10       |  |  |
|  |               |            |  |  |
| <b>Competency B-5 – Ratio and Proportion</b>             |               |            |  |  |
|  | 59            | 1-12       |  |  |
|  | 55            | 1-10       |  |  |
|  | 62            | 1-10       |  |  |
| B-5 Professional Cook Applied Problems                   |               | 1-10       |  |  |
|  |               |            |  |  |
| <b>Competency B-6 – Percent</b>                          |               |            |  |  |
|  | 69            | 1-4        |  |  |
|  | 73            | 1-4        |  |  |
|  | 67            | 1-5        |  |  |
|  | 74            | 1-5        |  |  |
| B-6 Professional Cook Applied Problems                   |               | 1-10       |  |  |
|  |               |            |  |  |
| MATH 037 Practice Test                                   |               |            |  |  |
| MATH 037 Final Test                                      |               |            |  |  |

## 5. Basis of Student Assessment (Weighting)

The course grade is either COM (complete) or NC (not complete), and is based on the student's score on the Final Test, which covers all of the required units (passing score 75%).

**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

COM complete NC not complete

## 7. 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, Registration, or on the College website <http://camosun.ca/services/>

### ACADEMIC CONDUCT POLICY

It is the student's responsibility to become familiar with the content of the Academic Conduct Policy. The policy is available in each School Administration Office, Registration, and on the College website <http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf>

### ACADEMIC PROGRESS POLICY

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