CAMOSUN COLLEGE

School of Access
Academic and Career Foundations Department

MATH 037   Math for Professional Cook Program

Fall 2018, Section S02

COURSE OUTLINE

1. Instructor: Nicolas Mai   Phone: 250-370 – 4481
Office: Interurban: CBA 146   **Email**: mai@camosun.bc.ca
Website: https://sites.camosun.ca/acf-math

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:30	Math S02 CBA 117	Office CBA 146	Math S02 CBA 117	Office CBA 146	Office CBA 146
10:30		Math S03 CBA 117		Math S03 CBA 117	Math S03 CBA 117
11:20	Lunch		Lunch		
12:20	Math S05 CBA 117	Lunch	Math S05 CBA 117	Lunch	Lunch
1:30 2:30		Help Centre CBA 109		Help Centre CBA 109	Department Meetings
		Office CBA 146		Office CBA 146	
3:20					

Please contact me at mai@camosun.bc.ca or 250-370-4481 to set up office appointments

2. Intended Learning Outcomes

(complete ABE Intermediate Mathematics learning outcomes at ABE Articulation Handbook website
http://www.aved.gov.bc.ca/abe/docs/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

- textbook: *Line B, Solve Mathematical Problems, Trades Common Core*
- course outline: including *Applied Math Problems for the Professional Cook Program*
- scientific calculator
- optional supplementary materials from MATH 023–034

4.   Course Schedule, Content and Instructions
2015W Semester classes run from January 5 - April 10, 2015
Other important dates: February 9   Holiday, College Closed
                                        February 12-13   Reading Break
                                        March 9   Withdrawal Deadline
                                        April 3 & 6   Holiday, College Closed
                                        April 10   Last day of classes
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 page #	question #
Competency B-1 — Whole Numbers		
	5	1–4
	3	1–5
	7	1–5
B-1 Professional Cook Applied Problems		1–10
Competency B-2 — Fractions		
	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
Competency B-3 — Decimals		
	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 #**
Competency B-4 — Metric and Imperial Measurements		
	46	1–2
	49	1–6
	43	1–2
	50	1–2
B-4 Professional Cook Applied Problems		1–10
Competency B-5 — Ratio and Proportion		
	59	1–12
	55	1–10
	62	1–10
B-5 Professional Cook Applied		1–10

					74	1–5
Problems				B-6 Professional Cook Applied Problems		1–10
Competency B-6 – Percent						
	69	1–4		MATH 037 Practice Test		
	73	1–4		MATH 037 Final Test		
	67	1–5				

5. Basis of Student Assessment (Weighting)

The course grade is either COM (complete) or IP (in progress) 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   IP   in progress   NC   not complete

7. Learning Support and Services for Students

ACADEMIC UPGRADING HELP CENTRE (CBA 109)

Help with coursework, reference and learning materials library,
computers and printer, quiet testing and 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 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/get-support.html#urgent

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/

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.

A. GRADING SYSTEMS *http://www.camosun.bc.ca/policies/policies.php*

The following two grading systems are used at Camosun College:

1. Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

B. 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://www.camosun.bc.ca/policies/E-1.5.pdf for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	*In progress*: A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	*Compulsory Withdrawal*: A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

9. MATH 037 Essential Skills (based on learning outcomes, coursework and classroom interaction)

Numeracy: numerical calculation and measurement (whole numbers, fractions, decimals, metric and imperial measurements, ratio and proportion, percent)
- Convert between fractions, decimals, and percents
- Add, subtract, multiply and divide rational numbers
- Solve application problems involving addition, subtraction, multiplication, and division of rational numbers
- Use order of operations
- Use the common metric and imperial units for temperature, length, volume and mass
- Convert between and within metric and imperial units using tables and/or calculators
- Read, write, interpret, compare and identify proportions and use them to solve problems involving percent, part and whole, edible portion/as purchased (EP/AP) proportions and other ratios

Reading
- Scan for key information
- Read and correctly follow written directions
- Read a full text to understand, learn or evaluate
- Integrate and synthesize information from multiple sources
- Refer to appropriate written (hardcopy or online) resources when experiencing difficulty

Document Use
- Interpret information in graphs or charts
- Use information from recipes and menus
- Interpret invoices, price lists, menu pricing calculations
- Use a table of contents or index to find specific information

Writing
- Organize, record and document
- Write notes in point form

Oral Communication
- Follow oral instructions and explanations
- Seek or obtain information from peers and instructor

Working with Others
- work independently alongside others
- appropriate and respectful communication with peers and others
- receive and apply relevant feedback

Thinking Skills
- Apply prior learning to facilitate effective study and to integrate information from a text with background knowledge from outside the text
- Identify learning strengths
- Identify and set short and long term goals
- Maintain a personalized learning plan within an individualized educational setting
- Identify key facts and issues related to a problem
- Check that answers and solutions to problems are reasonable
- Build strategies for successfully writing math tests
- Prioritize tasks
- Use tools (calendars, agendas, checklists) to help organize tasks and for time management
- Identify, compare, contrast & critically evaluate multiple pieces of information while reading/listening/viewing

Digital Technology
- Use a scientific calculator
- May use online tools to communicate and to learn and practice mathematical skills

Continuous Learning
- Deepen understanding of skill strengths and areas in need of improvement
- Recognize preferred learning style (learning by seeing, hearing or doing)
- Try new ways of doing things
- Apply newly learned skills and knowledge