

# CAMOSUN COLLEGE School of Access Academic and Career Foundations Department

MATH 057-S01 Intermediate Math for Trades
Spring 2012

## **COURSE OUTLINE**

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

 $\Omega$  Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records.

#### 1. Instructor Information

Instructor: Alison Bowe Phone: 370-4911

Office: CBA 150 e-mail: bowe@camosun.bc.ca

#### OFFICE HOURS BY APPOINTMENT

May - June 2012 Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday
10:00 – 11:30		Office Hours		Office Hours	
12:00 – 12:30	Help Centre CBA 109	Help Centre CBA 109	Help Centre CBA 109	Help Centre CBA 109	
12:30 – 3:20	Math S01 CBA 117	Math S03 CBA 117	Math S01 CBA 117	Math S03 CBA 117	Office Hours
3:30 – 4:00	Office Hours	Office Hours	Office Hours	Office Hours	
4:30 – 5:00	Office Hours		Office Hours		
5:00 – 7:50	Math S04 CBA 117		Math S04 CBA 117		

#### 2. Intended Learning Outcomes

(complete ABE Intermediate 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. use mathematics at an ABE Intermediate level with competence
- 2. demonstrate knowledge and skills in using the language, principles, and operations of introductory algebra and trigonometry
- 3. apply a variety of strategies in solving math-related problems
- 4. apply knowledge and skills in introductory algebra and trigonometry to solve problems
- 5. use knowledge of introductory algebra and trigonometry as a basis for further study in the Electrical ELT program, Advanced-level mathematics, and other courses and programs

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# 3. Required Materials

- (a) textbook: Developmental Mathematics, 7<sup>th</sup> or 8<sup>th</sup> edition, Marvin Bittinger & Judith Beecher
- (b) module: Trigonometry (ABE Intermediate Mathematics module 14), British Columbia
- (c) module: Vectors (Camosun College)
- (d) scientific calculator (Sharp EL531W for MATH 072)

#### **Supplementary Materials**

- (e) Student's Solutions Manual, Judith Penna (for sale in the bookstore; available for reference in the classroom)
- (f) Instructor's Solutions Manual, Judith Penna (for reference in the classroom)
- (g) video CDs (cover each section of the text, for viewing at the college or at home)
- (h) website www.mymathlab.com (online text, tutorials, videos, and testing)

#### 4. Course Content and Schedule

Classes run from May 7, 2011 to June 22, 2011.

The College will be closed on Monday, May 21, for Victoria 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 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 4 months.

- (a) before starting unit 1, students must pass a competency test to demonstrate that they can add, subtract, multiply, and divide whole numbers, fractions, and decimals <u>without the use of a calculator</u> if necessary, use the Arithmetic Review booklet to review these operations before writing the competency test
- (b) for each section of the 057 text listed in the table below, read the explanations, study the Examples, do the Margin Exercises, and then work through and check all or at least some of the more difficult odd-numbered problems in the Exercise Set
- (c) note that unit 4 includes text chapter 10, 11.1, & 11.2, and a supplement on exponents
- (d) to prepare for the final test for each unit, do the Summary and Review Exercises and write the Chapter Test at the end of the chapter, and correct all of your errors
- (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% (all test scores count)

6th ed'n	7th MATH 057 course content ed'n		video CD	
		Unit R - Arithmetic Review (no calculator)		
R.2	R.2	Fraction Notation		
R.3	R.3	Decimal Notation		
		Arithmetic Review test (no calculator)		
		Unit 1 - Real Numbers and Algebraic Expressions (for 4-month completion: 20 days)		
7.1	7.1	Introduction to algebra	7.1	
7.2	7.2	The real numbers	7.2	
7.3	7.3	Addition of real numbers	7.3	
7.4	7.4	Subtraction of real numbers	7.4	
7.5	7.5	Multiplication of real numbers	7.5	
7.6	7.6	Division of real numbers	7.6	
7.7	7.7	Properties of real numbers	7.7	
7.8	7.8	Simplifying expressions; order of operations	7.8	
		Summary and review		
		Chapter test		

Unit 1 final test

	6th ed'n	7th ed'n				
8.1         8.1 Solving equations: the addition principle         8.1           8.2         8.2 Solving equations: the multiplication principle         8.3           8.3         8.3         Using the principles together         8.3           8.4         8.4         Formulas         8.4           8.5         8.5         Applications of percent         8.5           8.6         8.6         Applications and problem solving         8.6           8.7         8.7         Solving inequalities         8.7           8.8         8.8         Applications and problem solving with inequalities         8.8           Summary and review         Chapter test         Unit 2 final test           Unit 2 final test         Unit 3 Graphs of Linear Equations         (22 days)           9.1         9.1         Graphs of Linear Equations         9.2           9.3         9.1         Graphs of Linear Equations         9.2           9.1         9.1         Graphs and applications         9.2           9.3         9.2         9.1         Graphing linear equations         9.2           9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4			Unit 2 – Solving Equations and Inequalities (30 days)			
8.3         8.3         Using the principles together         8.4           8.4         8.4         Formulas         8.4           8.5         8.5         Applications of percent         8.5           8.6         8.6         Applications and problem solving         8.6           8.7         Solving inequalities         8.7           8.8         8.8         Applications and problem solving with inequalities         8.8           Summary and review         Chapter test         Unit 2 final test           9.1         Graphs and applications         (22 days)           9.1         9.1         Graphs and applications         9.1           9.2         9.1         Graphing linear equations         9.2           9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4           9.3         Slope and applications         9.4           9.4         9.3         Slope and applications         9.4           10.1*         10.1*         Interpreters         10.1           10.2*         10.2*         10.2*         10.2*           10.2*         10.2*         10.2*         10.2*	8.1	8.1	Solving equations: the addition principle	8.1		
8.4	8.2	8.2	Solving equations: the multiplication principle	8.2		
8.5	8.3	8.3	Using the principles together	8.3		
8.6         8.6         Applications and problem solving         8.7           8.7         8.7         Solving inequalities         8.7           8.8         8.8         Applications and problem solving with inequalities         8.8           8.8         Summary and review         Chapter test           Chapter test         Unit 2 final test           9.1         9.1         Graphs and applications         9.1           9.2         9.1         Graphs and applications         9.2           9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4           Summary and review         Chapter test         9.4           Unit 3 final test         Unit 3 final test         10.1           10.2*         10.2** Integers as exponents         10.1           10.2** 10.2** Exponents and scientific notation         10.2           *after 10.2, complete supplementary exercises on exponents (#1-25)         10.3           10.3         10.3         10.3         10.3         10.3           10.4         10.4         10.4         10.4         10.4         10.4           10.5         10.5         Multiplication of polynomials	8.4	8.4	Formulas	8.4		
8.7         8.0 Applications and problem solving with inequalities         8.8           8.8         Applications and polications         9.1           9.1         9.1         Graphs and applications         9.1           9.2         9.1         Graphing linear equations         9.2           9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4           8.0         Summary and review         Chapter test         10.1           10.1*         Unit 4 - Polynomials: Operations and Factoring         (28 days)           10.1*         10.1*         Integers as exponents         10.1           10.2*         10.2*         Exponents and Scientific notation         10.2           10.3         10.3         Introduction to polynomials         10.3           10.4         10.4         Addition and subtraction of polynomials         10.4           10.5         Multiplication of polynomials         10.6 <t< td=""><td>8.5</td><td>8.5</td><td>Applications of percent</td><td>8.5</td></t<>	8.5	8.5	Applications of percent	8.5		
8.8         Applications and problem solving with inequalities         8.8           Summary and review         Chapter test           Unit 2 final test         Unit 2 final test           9.1         Graphs and applications         9.1           9.2         9.1         Graphs and applications         9.2           9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4           Summary and review         Summary and review         9.4           Unit 4 - Polynomials: Operations and Factoring         (28 days)           10.1*         Int.*         Int.*           10.2*         Exponents and scientific notation         10.2           **after 10.2, complete supplementary exercises on exponents (#1-25)         10.3           10.3         10.3         Introduction to polynomials         10.5           10.5         10.5         Multiplication of polynomials         10.5           10.6         10.6         Special products         10.6           10.7         10.7         Operations with polynomials in several variables         10.7           10.8         10.8         Division of polynomials         10.8           11.1         Introduc	8.6		Applications and problem solving	8.6		
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Unit 2 final test			,			
9.1   9.1   Graphs of Linear Equations   9.1     9.2   9.1   Graphing linear equations   9.2     9.3   9.2   More with graphing and intercepts   9.3     9.4   9.3   Slope and applications   9.4     9.4   9.3   Slope and applications   9.4						
9.1       Graphs and applications       9.1         9.2       9.1       Graphing linear equations       9.2         9.3       9.2       More with graphing and intercepts       9.3         9.4       9.3       Slope and applications       9.4         Chapter test         Unit 4 - Polynomials: Operations and Factoring       (28 days)         10.1*       10.1*       Integers as exponents       10.1         10.2* Exponents and scientific notation       10.2         "after 10.2, complete supplementary exercises on exponents (#1-25)       10.3         10.3       10.3       Introduction to polynomials       10.3         10.4       10.4       Addition and subtraction of polynomials       10.5         10.5       10.5       Multiplication of polynomials       10.5         10.6       10.6       Special products       10.6         10.7       10.7       Operations with polynomials in several variables       10.7         10.8       10.8       Division of polynomials       10.8         11.1       11.1       Introduction to factoring       11.1         11.2       Factoring trinomials of the type x² + bx + c       11.2         Unit 5 - Trigonometry (su			Unit 2 final test			
9.1       Graphs and applications       9.1         9.2       9.1       Graphing linear equations       9.2         9.3       9.2       More with graphing and intercepts       9.3         9.4       9.3       Slope and applications       9.4         Chapter test         Unit 4 - Polynomials: Operations and Factoring       (28 days)         10.1*       10.1*       Integers as exponents       10.1         10.2* Exponents and scientific notation       10.2         "after 10.2, complete supplementary exercises on exponents (#1-25)       10.3         10.3       10.3       Introduction to polynomials       10.3         10.4       10.4       Addition and subtraction of polynomials       10.5         10.5       10.5       Multiplication of polynomials       10.5         10.6       10.6       Special products       10.6         10.7       10.7       Operations with polynomials in several variables       10.7         10.8       10.8       Division of polynomials       10.8         11.1       11.1       Introduction to factoring       11.1         11.2       Factoring trinomials of the type x² + bx + c       11.2         Unit 5 - Trigonometry (su						
9.2         9.1         Graphing linear equations         9.2           9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4           Chapter test         Unit 3 final test         Unit 4 – Polynomials: Operations and Factoring         (28 days)           10.1*         10.1*         Integers as exponents         10.1           10.2*         10.2*         Exponents and scientific notation         10.2           10.3         10.3         Introduction to polynomials         10.3           10.4         10.4         Addition and subtraction of polynomials         10.4           10.5         10.5         Multiplication of polynomials         10.5           10.6         10.6         Special products         10.5           10.7         10.7         Operations with polynomials in several variables         10.7           10.8         10.8         Division of polynomials         10.8           11.1         11.1         11.1         Introduction to factoring         11.1           11.2         Factoring trinomials of the type x² + bx + c         11.2           Summary and review         Chapter test         11.2           Unit 5 - Trigonometry	0.4	0.4				
9.3         9.2         More with graphing and intercepts         9.3           9.4         9.3         Slope and applications         9.4           Summary and review           Chapter test           Unit 3 final test           Unit 4 - Polynomials: Operations and Factoring         (28 days)           10.1*         10.1*         Integers as exponents         10.1           10.2*         Exponents and scientific notation         10.2           *after 10.2, complete supplementary exercises on exponents (#1-25)         10.3           10.3         Introduction to polynomials         10.3           10.4         Addition and subtraction of polynomials         10.5           10.5         40.6         40.6         Special products         10.6           10.7         10.5         Multiplication of polynomials         10.5           10.7         10.7         Operations with polynomials in several variables         10.7           10.7         10.7         Operations with polynomials in several variables         10.8           11.1         11.1         Introduction to factoring         11.1           11.2         Factoring trinomials of the type x² + bx + c         11.2           Summary and review						
9.4         9.3         Slope and applications         9.4           Summary and review         Chapter test         Unit 3 final test           10.1*         10.1*         Integers as exponents         10.1           10.2*         10.2*         Exponents and scientific notation         10.2           10.3         10.3         Introduction to polynomials         10.3           10.4         10.4         Addition and subtraction of polynomials         10.4           10.5         10.5         Multiplication of polynomials         10.5           10.6         10.6         Special products         10.6           10.7         10.7         Operations with polynomials in several variables         10.7           10.8         10.8         Division of polynomials         10.8           10.7         10.7         Operations with polynomials in several variables         10.7           10.8         10.8         Division of polynomials         10.8           10.1         11.1         Introduction to factoring         11.1           11.1         11.1         Introduction to factoring         11.1           11.2         Factoring trinomials of the type x² + bx + c         11.2           Summary and review         MATH 053 review						
Summary and review   Chapter test   Unit 3 final test						
Chapter test	9.4	9.3		9.4		
Unit 3 final test						
Unit 4 - Polynomials: Operations and Factoring   10.1*   10.1*   10.2*   Exponents and scientific notation   10.2   * Exponents and scientific notation   10.3   10.3   10.3   10.3   Introduction to polynomials   10.4   10.4   Addition and subtraction of polynomials   10.5   10.5   Multiplication of polynomials   10.6   10.6   Special products   10.6   10.6   Special products   10.7   10.7   10.7   Operations with polynomials in several variables   10.7   10.8   10.8   Division of polynomials   10.8   10.8   10.1   11.1   Introduction to factoring   11.1   11.2   11.2   Factoring trinomials of the type x² + bx + c   11.2   Summary and review   Chapter test   Unit 4 final test   Unit 4 final test   Unit 5 - Trigonometry (supplementary module)   (25 days)   5.1   5.1   The right triangle   5.2   5.2   Angles and sides   5.3   5.3   The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059)   5.4   5.4   The tangent ratio   5.5   5.5   Using the tangent ratio   Unit 5 final test   Unit 6 - Vectors (supplementary module)   Problem Sets   Unit 6 - Vectors (supplementary module)   Interview						
10.1*         10.2*         Integers as exponents         10.1           10.2*         10.2*         Exponents and scientific notation         10.2           *after 10.2, complete supplementary exercises on exponents (#1-25)         10.3           10.3         10.3 Introduction to polynomials         10.3           10.4         10.4         Addition and subtraction of polynomials         10.4           10.5         10.5         Multiplication of polynomials         10.5           10.6         10.6         Special products         10.6           10.7         10.7         Operations with polynomials in several variables         10.7           10.8         10.8         Division of polynomials         10.8           11.1         Introduction to factoring         11.1           11.2         Factoring trinomials of the type x² + bx + c         11.2           Summary and review         Chapter test         10.6           Unit 4 final test         10.7           MATH 053 review         MATH 053 review           MATH 053 review         MATH 053 review           MATH 054 final exam         day 105           5.1         5.1         The right triangle           5.2         5.2         Angles and sides			Unit 3 final test			
10.1*         10.2*         Integers as exponents         10.1           10.2*         10.2*         Exponents and scientific notation         10.2           *after 10.2, complete supplementary exercises on exponents (#1-25)         10.3           10.3         10.3 Introduction to polynomials         10.3           10.4         10.4         Addition and subtraction of polynomials         10.4           10.5         10.5         Multiplication of polynomials         10.5           10.6         10.6         Special products         10.6           10.7         10.7         Operations with polynomials in several variables         10.7           10.8         10.8         Division of polynomials         10.8           11.1         Introduction to factoring         11.1           11.2         Factoring trinomials of the type x² + bx + c         11.2           Summary and review         Chapter test         10.6           Unit 4 final test         10.7           MATH 053 review         MATH 053 review           MATH 053 review         MATH 053 review           MATH 054 final exam         day 105           5.1         5.1         The right triangle           5.2         5.2         Angles and sides			Unit 4 - Polynomials: Operations and Factoring (28 days)			
10.2*   10.2*   Exponents and scientific notation   10.2   *after 10.2, complete supplementary exercises on exponents (#1-25)   10.3   10.3   10.4   10.4   Addition and subtraction of polynomials   10.4   10.5   10.5   Multiplication of polynomials   10.5   10.5   Multiplication of polynomials   10.5   10.6   10.6   Special products   10.6   10.7   10.7   Operations with polynomials in several variables   10.7   10.8   10.8   Division of polynomials   10.8   10.8   10.8   10.8   10.8   10.8   10.8   10.9   10.8	10 1*	10 1*		10.1		
*after 10.2, complete supplementary exercises on exponents (#1-25)  10.3 10.3 10.3 Introduction to polynomials  10.4 10.4 Addition and subtraction of polynomials  10.5 10.5 Multiplication of polynomials  10.6 Special products  10.6 10.6 Special products  10.7 10.7 Operations with polynomials in several variables  10.8 10.8 Division of polynomials in several variables  11.1 Introduction to factoring  11.2 11.2 Factoring trinomials of the type x² + bx + c  Summary and review  Chapter test  Unit 4 final test  MATH 053 review  MATH 053 review  MATH 053 final exam day 105   **Unit 5 - Trigonometry** (supplementary module)  5.1 5.1 The right triangle  5.2 5.2 Angles and sides  5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059)  5.4 5.4 The tangent ratio  5.5 5.5 Using the tangent ratio  5.6 5.6 The sine and cosine ratios  5.7 5.7 Solving triangles  Practice test  Unit 6 - Vectors** (supplementary module)  **Unit 6 - Vectors** (supplementary module)  **Unit 6 - Vectors** (supplementary module)						
10.3       10.3       Introduction to polynomials       10.3         10.4       10.4       Addition and subtraction of polynomials       10.4         10.5       10.5       Multiplication of polynomials       10.5         10.6       10.6       Special products       10.6         10.7       10.7       Operations with polynomials in several variables       10.7         10.8       10.8       Division of polynomials       10.8         11.1       Introduction to factoring       11.1         11.2       Factoring trinomials of the type $x^2 + bx + c$ 11.2         Summary and review       Chapter test       11.2         Unit 4 final test       11.2         MATH 053 review       MATH 053 final exam       day 105         MATH 053 final exam       day 105         5.1       5.1       The right triangle       (25 days)         5.2       5.2       Angles and sides         5.3       The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059)       5.4         5.4       The tangent ratio       5.5         5.5       Using the tangent ratio       5.5         5.6       The sine and cosine ratios       5.7         5.7       Solving triangles	10.2	10.2		10.2		
10.4       10.4       Addition and subtraction of polynomials       10.4         10.5       10.5       Multiplication of polynomials       10.5         10.6       10.6       Special products       10.6         10.7       10.7       Operations with polynomials in several variables       10.7         10.8       10.8       Division of polynomials       10.8         11.1       Introduction to factoring       11.1         11.2       Factoring trinomials of the type x² + bx + c       11.2         Summary and review       Chapter test       11.2         Unit 4 final test       11.2         MATH 053 review       11.2         MATH 053 final exam       10.5         5.1       The right triangle         5.2       Angles and sides         5.3       The tangent ratio         5.5       Using the tangent ratio </td <td>10.3</td> <td>10.3</td> <td></td> <td>10.3</td>	10.3	10.3		10.3		
10.5						
10.6 10.6 Special products 10.6 10.7 10.7 Operations with polynomials in several variables 10.7 10.8 10.8 Division of polynomials 10.8 11.1 11.1 Introduction to factoring 11.1 11.2 Factoring trinomials of the type x² + bx + c 11.2 Summary and review 11.2 Unit 4 final test 11.1 Unit 4 final test 11.1 The right triangle 11.1 The right triangle 11.1 The right triangle 11.1 The right triangle 11.1 The tangent ratio 11.1 The sine and cosine ratios 11.1 The sine and cosine ratios 11.1 Unit 5 final test 11.1 The sine and cosine ratios 11.1 Solving triangle 11.1 The sine and cosine ratios 11.1 Solving triangle 11.1 The sine and cosine ratios 11.1 Solving triangle 11.1 The sine and cosine ratios 11.1 The sine and cosine ratios 11.1 Solving triangles 11.1 The sine and cosine ratios 11.1 The sine						
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10.8 10.8 Division of polynomials 10.8  11.1 11.1 Introduction to factoring 111.1  11.2 11.2 Factoring trinomials of the type $x^2 + bx + c$ 11.2  Summary and review Chapter test Unit 4 final test 4  MATH 053 review MATH 053 final exam day 105  Unit 5 - Trigonometry (supplementary module) (25 days) 5.1 5.1 The right triangle 5.2 5.2 Angles and sides 5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059) 5.4 5.4 The tangent ratio 5.5 5.5 Using the tangent ratio 5.6 5.6 The sine and cosine ratios 5.7 5.7 Solving triangles Practice test Unit 5 final test 4  Unit 6 - Vectors (supplementary module) P 10 Problem Sets			<u> </u>	10.7		
11.1				1		
Summary and review Chapter test Unit 4 final test  MATH 053 review MATH 053 final exam  Math 053 review Math 053 final exam  Math 053 review Math 053 final exam  Math 053 review Math	11.1	11.1	Introduction to factoring	11.1		
Summary and review Chapter test Unit 4 final test  MATH 053 review MATH 053 final exam  Math 053 review Math 053 final exam  Math 053 review Math 053 final exam  Math 053 review Math	11.2	11.2	Factoring trinomials of the type $x^2 + bx + c$	11.2		
Unit 4 final test  MATH 053 review  MATH 053 final exam day 105  Unit 5 - Trigonometry (supplementary module) (25 days)  5.1 5.1 The right triangle 5.2 5.2 Angles and sides 5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059)  5.4 5.4 The tangent ratio  5.5 5.5 Using the tangent ratio  5.6 5.6 The sine and cosine ratios  5.7 5.7 Solving triangles  Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module)  p 10 Problem Sets						
MATH 053 review   MATH 053 final exam   day 105			·			
MATH 053 final exam   day 105			Unit 4 final test			
MATH 053 final exam   day 105						
Unit 5 - Trigonometry (supplementary module) (25 days)  5.1 5.1 The right triangle 5.2 5.2 Angles and sides 5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059) 5.4 5.4 The tangent ratio 5.5 5.5 Using the tangent ratio 5.6 5.6 The sine and cosine ratios 5.7 5.7 Solving triangles Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module)  p 10 Problem Sets						
5.1 The right triangle 5.2 5.2 Angles and sides 5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059) 5.4 5.4 The tangent ratio 5.5 5.5 Using the tangent ratio 5.6 5.6 The sine and cosine ratios 5.7 5.7 Solving triangles Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module) p 10 Problem Sets			MATH 053 final exam day 105			
5.1 The right triangle 5.2 5.2 Angles and sides 5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059) 5.4 5.4 The tangent ratio 5.5 5.5 Using the tangent ratio 5.6 5.6 The sine and cosine ratios 5.7 5.7 Solving triangles Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module) p 10 Problem Sets			Unit 5 Trigonometry (supplementary module) (25 days)			
5.2 5.2 Angles and sides 5.3 5.3 The Pythagorean theorem (more in 6e text p 1087, 7e text p 1059) 5.4 5.4 The tangent ratio 5.5 5.5 Using the tangent ratio 5.6 5.6 The sine and cosine ratios 5.7 5.7 Solving triangles Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module) p 10 Problem Sets	5.1	5.1				
5.3						
5.4         5.4         The tangent ratio           5.5         5.5         Using the tangent ratio           5.6         5.6         The sine and cosine ratios           5.7         5.7         Solving triangles           Practice test           Unit 5 final test           Unit 6 - Vectors (supplementary module)           p 10         Problem Sets						
5.5						
5.6       5.6       The sine and cosine ratios         5.7       5.7       Solving triangles         Practice test         Unit 5 final test         Unit 6 - Vectors (supplementary module)         p 10       p 10       Problem Sets						
5.7 Solving triangles Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module) p 10 p 10 Problem Sets						
Practice test Unit 5 final test  Unit 6 - Vectors (supplementary module) p 10 p 10 Problem Sets						
Unit 5 final test  Unit 6 - Vectors (supplementary module) p 10 p 10 Problem Sets	0.1	0.7		<del>                                     </del>		
Unit 6 - Vectors (supplementary module) p 10 p 10 Problem Sets		+				
p 10  p 10  Problem Sets			Since intercept			
p 10  p 10  Problem Sets			Unit 6 - Vectors (supplementary module)			
	p 10	p 10				

# 5. Basis of Student Assessment (Weighting)

- (a) **Tests** 75% of the course grade is based on the average of **all** unit final test scores for units 1–6 (including both passing and failing test scores)
- (b) **Exams** 25% of the course grade is based on the average of **all** final exam scores (including both passing and failing exam 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

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

# 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 <a href="http://camosun.ca/services/">http://camosun.ca/services/</a>

#### **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 <a href="http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf">http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf</a>

### **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 <a href="http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf">http://camosun.ca/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf</a>