

CAMOSUN COLLEGE School of Access Academic and Career Foundations Department

MATH 057 Intermediate Math for Trades Summer 2014(July 2, 2014 to August 22, 2014) Section S05

COURSE OUTLINE

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

1. Instructor Information

- (a) Instructor: Rusekampunzi Augustin
- (b) Office hours: Tuesday, Wednesday, Thursday 13:30 14:30 (Office: CBA 110)
- (c) Help hours: Tuesday, Wednesday, Thursday 14:40 15:00 (JW 123)
- (d) Location: Interurban Campus (JW 123)
- (e) Phone: <u>250 370 3945 (Voice mail only)</u>
- (f) E-mail: ruse@camosun.bc.ca.

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. 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 Foundation program, Advanced-level mathematics, and other courses and programs

3. Required Materials

- (a) textbook: *Developmental Mathematics*, 6th/7th/8th edition, Marvin Bittinger/Judith Beecher
- (b) module: Trigonometry (ABE Intermediate Mathematics module 14), British Columbia
- (c) module: Vectors (Camosun College)
- (d) scientific calculator (Sharp EL-531X or EL-531W for next level MATH 072 or 135)

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) website www.mymathlab.com (online text, tutorials, videos, and testing)

4. Course Instructions and Content

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</u> <u>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)

8th ed'n	7th ed'n	MATH 057 course content				
		Unit R – Arithmetic Review (no calculator)				
R.1	R.1	Place value				
R.2	R.2	Comparing numbers				
R.3	R.3	Rounding numbers				
R.4	R.4	Adding and subtracting whole numbers and decimals				
R.5	R.5	Multiplying whole numbers and decimals				
R.6	R.6	Dividing whole numbers and decimals				
R.7	R.7	Order of operations				
R.8	R.8	Operations with fractions				
R.9	R.9	Equivalent fractions				
R.10	R.10	Adding and subtracting fractions				
R.11	R.11	Multiplying fractions				
R.12	R.12	Dividing fractions				
R.13	R.13	Converting fractions and decimals				
R.14	R.14	Estimation				
		Practice Test				
		Unit R final test (no calculator)				
		Unit 1 – Real Numbers and Algebraic Expressions (20 days)				
7.1	7.1	Introduction to algebra				
7.2	7.2	The real numbers				
7.3	7.3	Addition of real numbers				
7.4	7.4	Subtraction of real numbers				
7.5	7.5	Multiplication of real numbers				
7.6	7.6	Division of real numbers				
7.7	7.7	Properties of real numbers				
7.8	7.8	Simplifying expressions; order of operations				
		Summary and review				
		Chapter test				
		Unit 1 final test				

Unit 2 - Solving Equations and Inequalities (30 days)8.18.1Solving equations: the addition principle8.28.2Solving equations: the multiplication principle8.3Using the principles together8.48.4Formulas8.58.5Applications of percent8.68.6Applications and problem solving8.78.7Solving inequalities8.8Applications and problem solving with inequalities8.8Summary and review0.11Chapter test10.12Unit 2 final test9.19.19.2More with graphing and intercepts9.39.39.49.49.59.59.5Graphing using the slope and y-intercept9.59.59.5Graphing using the slope and y-intercept9.6Unit 3 final test10.1110.1411.1511.1410.22Exponents and scientific notation10.2210.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2410.2510.2510.2610.2510.2610.2	8th ed'n	7th ed'n	MATH 057 course content			
8.1 Solving equations: the addition principle 8.2 8.2 Solving equations: the multiplication principle 8.3 Using the principles together 8.4 8.4 Formulas 8.5 8.5 Applications of percent 8.6 Applications and problem solving 8.7 8.7 Solving inequalities 8.8 Applications and problem solving with inequalities 8.8 Applications and problem solving with inequalities 8.6 Chapter test 0.1 Oraphs and applications of inear equations 9.2 More with graphing and intercepts 9.3 Slope and applications of unear equations 9.4 4. Equations of linear equations 9.4 5. 5. Graphing using the slope and y-intercept 9.4 1. Equations: the solutinon interequalias			Unit 2 – Solving Equations and Inequalities (30 days)			
8.2 8.2 Solving equations: the multiplication principle 8.3 8.3 Using the principles together 8.4 8.4 Formulas 8.5 Applications of percent	8.1	8.1				
8.3 Using the principles together 8.4 8.4 8.5 8.5 8.6 Applications of percent 8.6 Applications and problem solving 8.7 8.7 8.7 Solving inequalities 8.8 8.8 Applications and problem solving with inequalities 8.8 8.8 Applications and problem solving with inequalities 9.1 9.1 9.1 Graphs and applications 9.2 9.2 More with graphing and intercepts 9.3 Slope and applications 9.4 9.4 9.5 Graphing using the slope and y-intercept 9.4 9.4 9.5 Straphing using the slope and y-intercept 9.5 Straphing using the slope and y-intercept 9.4 9.4 9.5 Straphing using the slope and y-intercept 9.5 Straphing using the slope and y-intercept 9.6 Whit 4 - Polynomials: Operations and Factoring (28 days) 10.1* Integers as exponents 10.2* 10.2* 10.3	8.2	8.2				
8.4 Formulas Image: Constraint of the properties of the pr	8.3	8.3				
8.5 Applications of percent 8.6 8.6 Applications and problem solving 8.7 8.7 Solving inequalities 8.8 Applications and problem solving with inequalities Image: Solving and and problem solving with inequalities 8.8 8.8 Applications and problem solving with inequalities Image: Solving and problem solving with inequalities 8.8 Applications and problem solving with inequalities Image: Solving and problem solving with inequalities 9.1 9.1 Graphs and applications of linear equations Image: Solving and intercepts 9.1 9.1 Graphs and applications Image: Solving and intercepts 9.3 9.3 Slope and applications Image: Solving and review 9.4 9.4 Equations of lines Image: Solving and review Chapter test Image: Solving and review Image: Solving and review Unit 4 Polynomials: Operations and Factoring (28 days) Image: Solving and intercept 10.4 10.4 Integers as exponents Image: Solving and solving and intercept 10.4 10.4 Addition and subtraction of polynomials Image: Solving and applications 10.4 10.4		8.4				
8.6 Applications and problem solving Image: Solving inequalities 8.7 8.7 Solving inequalities 8.8 Applications and problem solving with inequalities Image: Summary and review Image: Summary and review Chapter test Image: Summary and review Unit 3 - Graphs of Linear Equations (22 days) 9.1 Graphs and applications of linear equations Image: Summary and review 9.2 9.2 More with graphing and intercepts Image: Summary and review 9.3 9.3 Stope and applications Image: Summary and review 9.5 9.5 Graphing using the stope and y-intercept Image: Summary and review Chapter test Image: Summary and review Image: Summary and review Image: Summary and review 10.1* 10.1* Integers as exponents Image: Summary and review Image: Summary and review Image: Summary and scientific notation * * Image: Summary and scientific notation Image: Summary and scientific notation * 10.4 10.4 Addition and subtraction of polynomials Image: Summary and review Image: Summary and review Image: Summary and review Image: Summary and review <td></td> <td></td> <td></td> <td></td>						
8.7 8.7 Solving inequalities Image: Solving inequalities 8.8 Applications and problem solving with inequalities Image: Solving inequalities 8.8 Applications and problem solving with inequalities Image: Solving inequalities 8.8 Applications and problem solving with inequalities Image: Solving inequalities 9.1 9.1 Graphs of Linear Equations (22 days) 9.1 9.1 Graphs and applications of linear equations 9 9.2 9.2 More with graphing and intercepts 9 9.4 Equations of lines 9 9 9.5 9.5 Graphing using the slope and y-intercept 10 9.5 9.5 Grapher test 10 10.4 Init a final test 10 11 10.2* 10.2* Exponents and scientific notation 10 10.2* 10.2 Exponents and scientific notation 11 10.4 10.4 Addition and subtraction of polynomials 10 10.5 Multiplication of polynomials 10 10 10.6 10.6 Special products 10						
8.8 Applications and problem solving with inequalities Image: Summary and review Chapter test Image: Summary and review Image: Summary and review Unit 3 - Graphs of Linear Equations (22 days) 9.1 Graphs and applications of linear equations Image: Summary and intercepts 9.2 9.2 More with graphing and intercepts Image: Summary and review 9.4 Equations of lines Image: Summary and review Image: Summary and review 9.5 9.5 Graphing using the slope and y-intercept Image: Summary and review Image: Summary and review 10.1* Init Ginal test Image: Summary and review Image: Summary and review Image: Summary and review 10.1* Init Gers as exponents Image: Summary and review Image: Summary and review Image: Summary and review 10.1* Init Gers as exponents Image: Summary and review Image: Summary and r						
Summary and reviewImage: constraint of the second sec						
Chapter testInit 2 final testUnit 2 final testInit 3 - Graphs of Linear Equations9.19.19.1Graphs and applications of linear equations9.29.2More with graphing and intercepts9.39.39.49.4Equations of lines9.59.5Graphing using the slope and y-interceptSummary and reviewChapter testUnit 3 final testUnit 4 - Polynomials: Operations and Factoring10.2*Exponents and scientific notation* after 10.2, complete supplementary exercises on exponents #1-2510.310.310.4*10.4*10.510.510.510.510.510.510.510.610.610.610.710.710.710.810.810.8a						
Unit 2 final testUnit 3 - Graphs of Linear Equations9.19.19.29.29.29.39.39.39.49.4Equations of lines9.59.59.59.69.79.79.89.89.99.59.59.59.59.59.59.59.59.59.69.79.79.89.89.89.99.59.59.59.59.59.59.69.79.79.89.89.89.99.110.1*10.1*10.1*10.2*10.2*10.2*10.2*10.2*10.2*10.310.410.410.410.410.410.510.510.610.610.710.710.810.810.810.810.810.810.910.410.410.410.510.510.610.610.610.710.710.810.8						
9.19.1Graphs and applications of linear equations9.29.2More with graphing and intercepts9.39.3Stope and applications9.49.4Equations of lines9.59.5Graphing using the slope and y-intercept9.6Summary and review9.7Chapter test9.8Unit 3 final test9.710.1*10.2*10.2*10.2*10.2*10.3*Integers as exponents10.4*10.4*10.4Integers as exponents10.510.310.3Introduction to polynomials10.410.410.5Multiplication of polynomials10.510.510.610.610.6Special products10.710.710.8Disab of the type $x^2 + bx + c$ 11.1abIntroduction to common factoring11.211.211.2Factoring differences of squares11.50Factoring differences of squares11.50Factoring differences of squares11.51The right triangle11.525.15.3The right ordinal exam11.515.152Angles and sides535.3545.4555.5Using the tangent ratio555.515.656The sine and cosine ratios575.75859Unit 5 final test50The sine						
9.19.1Graphs and applications of linear equations9.29.2More with graphing and intercepts9.39.3Slope and applications9.49.4Equations of lines9.59.5Graphing using the slope and y-intercept9.6Summary and review9.7Chapter test9.8Unit 3 final test9.9Unit 4 - Polynomials: Operations and Factoring (28 days)9.110.1*10.2*Exponents and scientific notation* after 10.2, complete supplementary exercises on exponents #1-2510.310.310.4Addition and subtraction of polynomials10.5Multiplication of polynomials10.610.610.710.710.7Operations with polynomials in several variables10.810.8a10.8aDivision of polynomials by a monomial11.1abIntroduction to common factoring11.211.211.2Factoring differences of squares11.5cdFactoring differences of squares11.5cdFactoring differences of squares11.51The right triangle11.525.15.3The right order (supplementary module)5.45.45.5Using the tangent ratio5.5S.55.6The singen and sides5.75.75.7Solving triangles5.8Unit 5 final test5.9Unit 5 final test5.1The right triangle5			Unit 2 Cropho of Lincor Equations (22 days)			
9.29.2More with graphing and interceptsImage: style	0.1	0.1				
9.39.3Slope and applications9.49.4Equations of lines9.59.5Graphing using the slope and y-interceptSummary and reviewChapter testUnit 3 final testIntegers as exponents10.1*10.1*10.2*10.2*10.2*10.2*10.2*10.2*10.310.310.410.4Addition and subtraction of polynomials10.410.410.4Addition and subtraction of polynomials10.510.510.610.6Special products10.710.710.810.8a11.2b11.2b11.2cFactoring differences of squares11.2b11.2b11.2c11.2c12.5c13.5c5.35.45.45.55.513.510.55.75.75.75.75.75.75.75.75.75.75.75.75.75.75.75.75.7Suing the tangent ratio5.75.75.7Solving triangles5.75.75.7Solving triangles5.75.75.7Solving triangles5.75.75.7Solving triangles5.75.75.7Solving triangle5.75.75.7Solving triangles5.75.7<						
9.49.4Equations of lines9.59.5Graphing using the slope and y-interceptSummary and reviewChapter testUnit 3 final testUnit 4 - Polynomials: Operations and Factoring (28 days)10.1*10.1*10.2*Exponents and scientific notation* after 10.2, complete supplementary exercises on exponents #1-2510.310.310.410.4Addition and subtraction of polynomials10.5Nutrolication of polynomials10.610.610.7Operations with polynomials in several variables11.1 abIntroduction to common factoring11.2Factoring differences of squares11.3cd11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testUnit 4 final testUnit 5 - Trigonometry (supplementary module) (15 days)5.15.15.4The tangent ratio5.5Using the stope ratios5.65.65.7S.75.7Solving triangles5.7S.75.7Solving triangles5.7S.75.8Unit 5 in altestUnit 5 in altestUnit 6 in latestUnit 5 in altestUnit 6 in latestUnit 6 in latestUnit 6 in latestUnit 7 Unit 5 in the regent ratio5.75.75.85.95.45.4						
9.5 9.5 Graphing using the slope and y-intercept Summary and review						
Summary and reviewChapter testUnit 3 final test10.1*10.1*10.210.2*10.310.410.410.410.510.510.510.610.610.610.610.710.7Operation of polynomials10.8a10.8a10.8a11.1ab <td< td=""><td></td><td></td><td></td><td></td></td<>						
Chapter testImage: constraint of the system of	9.5	9.5				
Unit 3 final testImage: Constant of the set of the						
Unit 4Polynomials: Operations and Factoring(28 days)10.1*10.1*Integers as exponents10.2*Exponents and scientific notation* after 10.2, complete supplementary exercises on exponents #1-2510.310.310.4Addition and subtraction of polynomials10.510.510.6Special products10.710.710.8Division of polynomials in several variables10.810.8a10.8aDivision of polynomials by a monomial11.1abIntroduction to common factoring11.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testUnit 4 final testUnit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The ythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The sine and cosine ratios5.55.5Using the tangent ratio5.67.7Solving triangles7.75.7Solving triangles8.75.7Solving triangles9.79.79.75.79.75.79.7Solving triangles9.79.79.79.79.79.79.79.79.79.79.79.79.						
10.1*10.1*Integers as exponentsImage: solution of the second se			Unit 3 final test			
10.2*10.2*Exponents and scientific notation* after 10.2, complete supplementary exercises on exponents #1-2510.310.310.410.410.4Addition and subtraction of polynomials10.510.510.610.610.710.7Operations with polynomials in several variables10.810.8a10.8a10.8a10.8a10.8a11.1abIntroduction to common factoring11.211.211.5cdFactoring trinomials of the type $x^2 + bx + c$ 11.5cdFactoring differences of squares11.5cdFactoring differences of squares11.5cdInt final test </td <td></td> <td></td> <td></td> <td></td>						
* after 10.2, complete supplementary exercises on exponents #1-2510.310.310.410.4Addition and subtraction of polynomials10.510.510.6Special products10.710.7Operations with polynomials in several variables10.8aDivision of polynomials by a monomial11.1ab11.1ab11.1abIntroduction to common factoring11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testMATH 053 review and final examday 1055.15.15.2Angles and sides5.3The pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.45.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving trianglesPractice testUnit 5 final testUnit 6 final testUnit 6 final testUnit 7 final testUnit 6 final test						
10.310.3Introduction to polynomials10.410.4Addition and subtraction of polynomials10.510.5Multiplication of polynomials10.610.6Special products10.710.7Operations with polynomials in several variables10.8aDivision of polynomials by a monomial11.1ab11.1ab11.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testMATH 053 review and final examMATH 053 review and final exam15.15.15.25.25.35.45.45.55.5Using the tangent ratio5.65.75.75.75.75.810.910.1510.1611.1211.211.211.211.211.211.211.311.5cd11.5cd11.5cd11.5cd11.5cd11.5cd11.5cd11.5cd11.5cd11.5cd12.5c13.5c14.7c15.7c15.7c15.7c15.7c15.7c15.7c15.7c15.7c15.7c15.7c15.7c <td< td=""><td>10.2*</td><td>10.2*</td><td></td><td></td></td<>	10.2*	10.2*				
10.410.4Addition and subtraction of polynomialsImage: constraint of polynomials10.510.5Multiplication of polynomialsImage: constraint of polynomials10.610.6Special productsImage: constraint of polynomials in several variables10.710.7Operations with polynomials in several variablesImage: constraint of polynomials in several variables10.8a10.8aDivision of polynomials by a monomialImage: constraint of polynomials of the type $x^2 + bx + c$ 11.1ab11.1abIntroduction to common factoringImage: constraint of polynomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresImage: constraint of polynomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresImage: constraint of polynomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresImage: constraint of polynomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresImage: constraint of polynomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresImage: constraint of polynomials of the type $x^2 + bx + c$ Image: constraint of the type $x^2 + bx + c$ Image: constraint of polynomials of the type $x^2 + bx + c$ Image: constraint of polynomials of the type $x^2 + bx + c$ Image: constraint of the type $x^2 + bx + c$ Image: constraint of polynomials of the type $x^2 + bx + c$ Image: constraint of polynomials of the type $x^2 + bx + c$ 5.15.1The right triangleImage: constraint of the type						
10.510.5Multiplication of polynomials10.610.6Special products10.710.7Operations with polynomials in several variables10.8a10.8aDivision of polynomials by a monomial11.1ab11.1abIntroduction to common factoring11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squares11.5cd11.5cdFactoring differences of squares11.5cdSignametry and reviewInit 4 final testInit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.						
10.610.6Special products10.710.7Operations with polynomials in several variables10.8a10.8aDivision of polynomials by a monomial11.1ab11.1abIntroduction to common factoring11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testMATH 053 review and final examday 1055.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving triangles 4 Unit 5 final test 5 <						
10.710.7Operations with polynomials in several variables10.8a10.8aDivision of polynomials by a monomial11.1ab11.1abIntroduction to common factoring11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testUnit 4 final testUnit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving trianglesUnit 5 final testUnit 6 - Vectors (supplementary module)(10 days)						
10.8a10.8aDivision of polynomials by a monomial11.1ab11.1abIntroduction to common factoring11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testMATH 053 review and final examday 105 $Unit 5 - Trigonometry$ (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving triangles60Unit 5 final test00011.5011.51011.51111.51112.51113.61114.71115.81115.91115.91215.11515.21515.31515.41515.51515.61515.71515.81515.91515.11515.21515.31515.41515.51515.61615.716 <tr< td=""><td></td><td></td><td></td><td></td></tr<>						
11.1abIntroduction to common factoring11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squares11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testMATH 053 review and final examday 105MATH 053 review and final examday 105Unit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.5Juing the tangent ratio5.6The sine and cosine ratios5.75.7Solving trianglesUnit 5 final testUnit 5 final testUnit 5 final testUnit 6 - Vectors (supplementary module)(10 days)	-					
11.211.2Factoring trinomials of the type $x^2 + bx + c$ 11.5cd11.5cdFactoring differences of squaresSummary and reviewChapter testUnit 4 final testMATH 053 review and final examday 105Matt 053 review and final examUnit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving trianglesVinit 5 final testUnit 5 final testUnit 5 final testUnit 6 - Vectors (supplementary module)(10 days)						
11.5cd Factoring differences of squares Summary and review						
Summary and reviewImage: Chapter testUnit 4 final testImage: Chapter testMATH 053 review and final examday 105Image: Chapter testImage: Chapter test						
Chapter testImage: Chapter testUnit 4 final testImage: Chapter testMATH 053 review and final examday 105Unit 5 - Trigonometry (supplementary module) (15 days)5.15.15.1The right triangle5.25.25.35.35.45.45.5Using the tangent ratio5.65.65.75.75.7Solving trianglesPractice testImage: Chapter testUnit 5 final testImage: Chapter testUnit 6 - Vectors (supplementary module) (10 days)	11.500	11.500				
Unit 4 final testATH 053 review and final examday 105MATH 053 review and final examday 105Unit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving trianglesPractice testUnit 5 final testUnit 5 final testUnit 6 - Vectors (supplementary module)(10 days)10 days)						
MATH 053 review and final examday 105Unit 5 - Trigonometry (supplementary module)(15 days)5.15.1The right triangle5.25.2Angles and sides5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving triangles79.7Solving triangles8090 <td></td> <td></td> <td></td> <td></td>						
Image: state of the state of						
5.15.1The right triangleImage: Second state sta			MATH 055 Teview and final exam day 105			
5.25.2Angles and sidesImage: constraint of the state						
5.35.3The Pythagorean theorem (more in 7e text p 1059, 8e text p 1087)5.45.4The tangent ratio5.55.5Using the tangent ratio5.65.6The sine and cosine ratios5.75.7Solving trianglesPractice testImage: Comparison of the sine and cosine ratiosUnit 5 final testImage: Comparison of the sine and cosine ratiosImage: Comparison of the sine and cosine ratiosImage: Comparison of the sine and cosine ratios5.75.7Solving trianglesImage: Comparison of the sine and cosine ratiosImage: Comparison of the sine and cosine ratios </td <td></td> <td></td> <td></td> <td></td>						
5.45.4The tangent ratioImage: constraint of the second se						
5.55.5Using the tangent ratioImage: Second						
5.6 5.6 The sine and cosine ratios Image: Cosine ratios 5.7 5.7 Solving triangles Image: Cosine ratios 9 Practice test Image: Cosine ratios Image: Cosine ratios 1 Practice test Image: Cosine ratios Image: Cosine ratios 1 Unit 5 final test Image: Cosine ratios Image: Cosine ratios 1 Unit 6 - Vectors (supplementary module) (10 days) Image: Cosine ratios						
5.7 5.7 Solving triangles Image: Constraint of the sector of the s						
Practice test Image: Second secon						
Unit 5 final test Unit 6 - Vectors (supplementary module) (10 days)	5.7	5.7				
Unit 6 - Vectors (supplementary module) (10 days)						
			Unit 5 tinal test			
			Unit 6 - Vectors (supplementary module) (10 days)			
	p 10	p 10				
Unit 6 final test day 130	1	1				

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)

6. Grading System

A+	90–100%	B+	77–79%	C+	65–69%
А	85–89%	В	73–76%	С	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/about/policies/education-academic/e-1-programming-&-instruction/e-1.1.pdf

GRADING

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

STUDENT CONDUCT

The purpose of this policy is to provide clear expectations of appropriate academic and nonacademic student conduct, and to establish processes for resolution of conduct issues or the imposition of sanctions for inappropriate conduct.

http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.pdf

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