

CAMOSUN COLLEGE Math 115 - Pre-Calculus Course Description for Winter 2004

TEXT: Larson, Hostetler, *Precalculus*, 6th edition, Houghton-Mifflin, 2004
 Math. Dept., *Introduction to Differential Calculus*

INSTRUCTOR:	Wayne Matthews Home Phone: 598-7995 Office: Ewing 266	Phone #: 370-3107 e-mail: mattheww@camosun.bc.ca Office Hours: 10:30 → 11:20 M→F 1:30 → 2:30 T & Th
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OUTLINE

	<i>UNIT</i>	<i>SECTIONS</i>	<i>HOURS</i>	<i>TOTAL</i>
1.	Review, Analytic Geometry			
	Algebra Review	A.1 → A.5, A.7	3	
	Graphing, Circles, Linear Equations	A.8, 1.1, 1.2	2	
	Quadratic Relations	10.2 → 10.4, 7.1	6	11
		TEST #1	1	
2.	Functions			
	Solving Inequalities	A.6	2	
	Functions, Graphing Techniques	1.3 → 1.6	4	
	Polynomial Functions	2.1, 2.2, 2.3, 2.5	4	13
	Rational Functions	2.6	2	
		TEST #2	1	
3.	Exponents and Logarithms			
	Algebra of Functions	1.7, 1.8	2	
	Exponential and Logarithmic Functions	3.1, 3.2	3	
	Exponential and Logarithmic Equations	3.3, 3.4	3	11
	Applications	3.5	2	
		TEST #3	1	
4.	Trigonometry			
	Radians, Trigonometric Functions	4.1 → 4.4	4	
	Graphs of Trigonometric Functions	4.5 → 4.7	5	18
	Trigonometric Identities and Equations	5.1 → 5.5	8	
		TEST #4	1	
5.	Introduction to Calculus			
		Booklet	10	
		TEST #5	1	11
	Review & Preparation for Final Exam			
		TOTAL	$\frac{3}{67}$	$\frac{3}{67}$

Notes:

1. Assignments due on or before test date for that unit.
2. No restrictions on technological aides in class or on tests (except for the final).
3. **Need extra help?** Make arrangements with me or see the math tutors in the math lab (Ewing 224).
4. If you improve on the final exam, more weight can be put on the final exam mark (100%).
5. Other arrangements are possible if you miss a unit test but only if you contact me ASAP.
6. Sections A.1→A.8 in *LH* 6th ed correspond to sections P.1→P.8 in the 5th ed