CAMOSUN COLLEGE
Math 115 - Pre-Calculus
Course Outline Winter 2005

COURSE HOURS: Monday – Friday 2:30-3:20 in Fisher 202
TEXT: Larson, Hostetler, ***Precalculus***, 6th edition, Houghton-Mifflin, 2004
Math. Dept., ***Introduction to Differential Calculus,*** **Camosun College**

INSTRUCTOR: Cathy Frost   Office: Ewing 250
E-mail: frost@camosun.bc.ca   Office Hours: 12:30-1:30 daily,
Phone #: 370-3404   or by appointment

OUTLINE

	UNIT	*SECTIONS*	*HOURS*	*TOTAL*
1.	**Review, Graphing**			
	Algebra Review, Conics	A.1 $\rightarrow$ A.8, 1.1,1.2,	8	
	Graphing, Linear Equations	Conics Handout		
		Review/TEST #1	2	10
2.	**Functions**			
	Functions, Graphing Techniques	1.3 $\rightarrow$ 1.6	4	
	Polynomial Functions	2.1, 2.2, 2.3, 2.5	5	
	Rational Functions	2.6	1	
		Review/TEST #2	2	12
3.	**Exponents and Logarithms**			
	Algebra of Functions	1.7, 1.8	2	
	Exponential and Logarithmic Functions	3.1, 3.2	4	
	Exponential and Logarithmic Equations	3.3, 3.4	3	
	Applications	3.5	1	
		Review/TEST #3	2	12
4.	**Trigonometry**			
	Radians, Trigonometric Functions	4.1 $\rightarrow$ 4.4	4	
	Graphs of Trigonometric Functions	4.5 $\rightarrow$ 4.7	5	
				9
5.	**Analytic Trigonometry**			
	Trigonometric Identities and Equations	5.1 $\rightarrow$ 5.5	9	
		Review/TEST #4	2	11
6.	**Introduction to Calculus**			
		Booklet	8	
		TEST #5	2	10
	Review & Preparation for Final Exam		2	2
		TOTAL	66	66

Notes:

1. Assignments are due two school days before the test. If you hand in your assignment on time, get at least 75%, and do better on the test, I will count your test mark for both the test and assignment. Assignments will not be accepted after the test is written.
2. No restrictions on technological aides in class or on tests (except for the final).
3. **Need extra help?** I encourage you to take advantage of our math tutor in the math lab (Ewing 224). You can also see me during office hours.
4. The final exam counts for 50% or 100%, whichever is to your advantage.
5. Best 4 out of 5 tests are counted. There are no rewrites. If you are ill on a test day, e-mail me about your absence, and see me the day you return to make other arrangements. Otherwise a zero will be recorded.
6. Sections A.1$\rightarrow$A.8 in *LH* 6th ed correspond to sections P.1$\rightarrow$P.8 in the 5th ed
7. Pre-requisite for 115 is now a B+ in Math 063/073; for Math 105 (same credit, 7.5h/wk)$\rightarrow$need C in 063/073
   Pre-requisite for Math 100 $\rightarrow$ B (75%); Math 108/109$\rightarrow$C (60%)
   Please see an Academic Advisor (Dawson bldg) and talk with me if you do not have the necessary pre-requisites.

Tentative Pacing Schedule for Math 115

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

Wk		Monday	Tuesday	Wednesday	Thursday	Friday
1	Jan.	10 A.1-A.2	11 A.2/A.3	12 A.4	13 A.5	14 A.6
2		17 A.7-A.8	18 1.1/ Conics	19 Conics/1.2 *Assignment due*	20 Review	21 **Test 1** (Appendices, 1.1,1.2,Conic)
3		24 1.3	25 1.4	26 1.5	27 1.6	28 2.1
4		31 2.2	Feb. 1 2.2	2 2.3 (omit 2.4)	3 2.5	4 2.6
5	Feb.	7 1.7 *Assignment due*	8 Review	9 **Test 2** (1.3-1.6,2.1-2.3,2.5,2.6)	10 *Reading Break*	11 *Reading Break* (school closed)
6		14 1.8	15 3.1	16 3.1	17 3.2	18 3.2
7		21 3.3	22 3.3/3.4	23 3.4	24 3.5	25 4.1
8		28 4.2 *Assignment due*	1 Review	2 **Test 3** (1.7,1.8,3.1-3.5)	3 4.3	4 4.4
9	**Mar.**	7 4.5	8 4.5	9 4.6	10 4.7	11 4.7
10		14 5.1	15 5.1	16 5.2	17 5.2	18 5.3
11		21 5.3	22 5.4	23 5.4/5.5	24 5.5 *Assignment due*	25 Holiday
12		28 Holiday	29 Review	30 **Test 4** (4.1-4.7,5.1-5.5)	31 1.1/1.3*	Apr. 1 1.2*
13	**Apr.**	4 1.4.1*	5 1.4.2*	6 1.5.1*	7 1.5.2*	8 1.5.3*
14		11 1.5.4* *Assignment due*	12 Review	13 **Test 5** (Calculus -all parts)	14 Exam Review	15 Exam Review
		Final Exam Period: Apr. 18-23, 25,26				

EVALUATION: Assignments (10%)   Unit Tests (40%)   Final Exam (50% or 100%)

Percentage:	0-49	50-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-100
Letter Grade:	F	D	C	C+	B-	B	B+	A-	A	A+