<div style="border:1px solid">

CAMOSUN COLLEGE
Math 100 – Calculus
Course Description for Winter 2004

</div>

TEXTS: Larson,Hostetler, ***Calculus***, 7th edition, Houghton - Mifflin 2004

INSTRUCTOR: Wayne Matthews   Phone #: 370-3107
                    Home Phone: 598-7995   e-mail: mattheww@camosun.bc.ca
                    Office: Ewing 266   Office Hrs: 10:00→11:20 Mon→Fri

UNIT	SECTIONS	HOURS	TOTAL
1. **Introduction to Calculus**			
Pre-Calculus			
	P.1 → P.3, Trig	4	
Limits and Continuity			
	1.1 → 1.5	6	
The Derivative of a Function, Derivative Rules			
	2.1 → 2.4	6	
	Test # 1	1	17
2. **Applications of the Derivative**			
Implicit Differentiation, Related Rates	2.5, 2.6	4	
Extrema, Concavity, Curve Sketching, Optimization	3.1 → 3.7	12	
	Test # 2	1	17
3. **Integration**			
Newton's Method, Differentials	3.8, 3.9	3	
Integration	4.1 → 4.6	11	
Logarithmic, Exponential Functions	5.1 → 5.5	8	
	Test # 3	1	23
Differential Equations	5.6	2	2
Labs, Review & Preparation for Final Exam		8	8
	TOTAL	67	67

Notes:
1. Assignments (one per unit) are due **on** or (**preferably**) **before** the test date for that unit.
2. There are no restrictions on technological aides in class or on tests, except for the final exam (for full marks, work **must** be shown).
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. If you miss, or plan to miss a unit test, you must contact me immediately to discuss the possibility of other arrangements.
6. **Evaluation**:   Labs & assignments (10%), Tests (40%), Final Exam (50%)……see note 4…..