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 Phone \#: 370-3404

Office Hours: 12:30-1:30 daily, or by appointment

## OUTLINE

## UNIT

1. Review, Graphing Algebra Review, Conics Graphing, Linear Equations
2. Functions

Functions, Graphing Techniques
Polynomial Functions
Rational Functions
3. Exponents and Logarithms

Algebra of Functions
Exponential and Logarithmic Functions
Exponential and Logarithmic Equations
Applications
4. Trigonometry

Radians, Trigonometric Functions
Graphs of Trigonometric Functions
5. Analytic Trigonometry

Trigonometric Identities and Equations
6. Introduction to Calculus

Review \& Preparation for Final Exam

## SECTIONS

A. $1 \rightarrow$ A.8, 1.1,1.2, $\quad 8$

Conics Handout
Review/TEST \#1 210
$1.3 \rightarrow 1.6 \quad 4$
2.1, 2.2, 2.3, 2.5 5
2.6 1

Review/TEST \#2 2
1.7, $1.8 \quad 2$
3.1, 3.2 4
3.3, 3.4 3
$3.5 \quad 1$
Review/TEST \#3 2
$4.1 \rightarrow 4.4 \quad 4$
$4.5 \rightarrow 4.7 \quad 5$
$5.1 \rightarrow 5.5 \longrightarrow 9$
Review/TEST \#4 2
Booklet 8
TEST \#5 2
TOTAL
HOURS TOTAL


123
12

## 9

$\frac{2}{66}$
10
$\underline{2}$

## 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 $\boldsymbol{L H}$ 6th ed correspond to sections P. $1 \rightarrow \mathrm{P} .8$ in the $5^{\text {th }}$ ed
7. Pre-requisite for 115 is now a B+ in Math 063/073; for Math 105 (same credit, $7.5 \mathrm{~h} / \mathrm{wk}$ ) $\rightarrow$ need C in 063/073 Pre-requisite for Math $100 \rightarrow \mathrm{~B}(75 \%)$; 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.

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| Wk |  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Jan. | $10 \text { A.1-A. } 2$ | $11 \text { A.2/A. } 3$ | $12 \quad \text { A. } 4$ | $13 \text { A. } 5$ | $14 \quad \text { A. } 6$ |
| 2 |  | $\begin{aligned} & 17 \\ & \quad \text { A.7-A. } 8 \end{aligned}$ | 18 1.1/ Conics | 19 <br> Conics/1.2 <br> Assignment due | $20$ <br> Review | 21 <br> Test 1 <br> (Appendices, <br> 1.1,1.2,Conic) |
| 3 |  | $\begin{array}{ll} \hline 24 & \\ & 1.3 \end{array}$ | $\begin{array}{\|ll\|} \hline 25 & \\ \hline \end{array}$ | $\begin{array}{\|ll\|} \hline 26 & \\ \hline \end{array}$ | $\begin{array}{\|ll\|} \hline 27 & \\ & 1.6 \\ \hline \end{array}$ | $28 \quad 2.1$ |
| 4 |  | $\begin{array}{\|ll} \hline 31 & \\ \hline \end{array}$ | Feb. 1 $2.2$ | $\begin{array}{\|cc\|} \hline 2 & \\ & 2.3 \\ & \text { (omit 2.4) } \\ \hline \end{array}$ | $\begin{array}{\|ll\|} \hline 3 & 2.5 \\ \hline \end{array}$ | $\begin{array}{ll} \hline 4 & 2.6 \end{array}$ |
| 5 | Feb. | $$ | ${ }^{8}$ Review | 9 <br> Test 2 <br> (1.3-1.6,2.1- <br> 2.3,2.5,2.6) | 10 Reading Break | 11 <br> Reading Break (school closed) |
| 6 |  | $\begin{array}{ll} \hline 14 & \\ & 1.8 \end{array}$ | $\begin{array}{\|ll\|} \hline 15 & \\ \hline \end{array}$ | $16 \quad 3.1$ | $\begin{array}{\|ll\|} \hline 17 & \\ & 3.2 \\ \hline \end{array}$ | $\begin{array}{ll} \hline 18 & \\ & 3.2 \end{array}$ |
| 7 |  | $\begin{array}{\|ll\|} \hline 21 & \\ \hline \end{array}$ | $\begin{array}{\|ll} \hline 22 & \\ & 3.3 / 3.4 \\ \hline \end{array}$ | $\begin{array}{ll} \hline 23 & \\ \hline \end{array}$ | $\begin{array}{\|ll} \hline 24 & \\ & 3.5 \\ \hline \end{array}$ | $25 \quad 4.1$ |
| 8 |  | $28 \quad 4.2$  <br>   <br> Assignment <br> due  <br>   | $1$ <br> Review | Test 3 <br> (1.7,1.8,3.1-3.5) | $\begin{array}{\|ll\|} \hline 3 & \\ \hline \end{array}$ | $\begin{array}{ll} \hline 4 & \\ \end{array}$ |
| 9 | Mar. | $\begin{array}{ll} \hline 7 & 4.5 \end{array}$ | $\begin{array}{\|ll} \hline 8 & \\ \hline \end{array}$ | $\begin{array}{\|ll\|} \hline 9 & 4.6 \end{array}$ | $10 \quad 4.7$ | $\begin{array}{ll} \hline 11 & \\ & 4.7 \end{array}$ |
| 10 |  | $\begin{array}{ll} \hline 14 & \\ & 5.1 \end{array}$ | $\begin{array}{\|ll\|} \hline 15 & \\ \hline \end{array}$ | $16 \quad 5.2$ | $\begin{array}{\|cc\|} \hline 17 & \\ & 5.2 \\ \hline \end{array}$ | $\begin{array}{ll} \hline 18 \quad 5.3 \end{array}$ |
| 11 |  | $\begin{array}{\|ll} \hline 21 & \\ \hline & 5.3 \end{array}$ | $\begin{array}{\|ll\|} \hline 22 & \\ \hline \end{array}$ | $\begin{array}{\|ll\|} \hline 23 & \\ & 5.4 / 5.5 \end{array}$ | $\begin{array}{\|c} \hline 24 \\ \begin{array}{c} 5.5 \\ \text { Assignment } \\ \text { due } \end{array} \\ \hline \end{array}$ | $25 \text { Holiday }$ |
| 12 |  | $28 \text { Holiday }$ | $29 \text { Review }$ | $\begin{array}{lc} \hline 30 & \\ & \text { Test } 4 \\ (4.1-4.7,5.1-5.5) \end{array}$ | ${ }^{31}{ }_{\text {1.1/1.3* }}$ | $\begin{gathered} \text { Apr. } 1 \\ 1.2^{*} \end{gathered}$ |
| 13 | Apr. | $\begin{array}{ll} \hline 4 & \\ & \text { 1.4.1* } \end{array}$ | $\begin{array}{ll} \hline 5 & \\ & \text { 1.4.2* } \end{array}$ | $\begin{array}{\|ll} \hline 6 & \\ \hline \end{array}$ | $\begin{array}{\|l\|} \hline 7 \\ \\ \hline \end{array}$ | $\begin{array}{ll} \hline 8 \quad \text { 1.5.3* } \end{array}$ |
| 14 |  | $\begin{aligned} & 11 \\ & \text { 1.5.4* } \\ & \text { Assignment } \\ & \text { due } \\ & \hline \end{aligned}$ | $12 \text { Review }$ | 13 <br> Test 5 <br> (Calculus -all parts) | $14$ <br> Exam Review | 15 <br> 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+ |

