



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/math.html>

Ω *Please note: the College electronically stores this outline for five (5) years only. It is **strongly recommended** you keep a copy of this outline with your academic records. You will need this outline for any future application/s for transfer credit/s to other colleges/universities.*

1. Instructor Information

(a)	Instructor:	Chris Odgers		
(b)	Office Hours:	Tues., Wed. and Fri. at 0930-1030, and Mon., Thurs. at 1230-1330.		
(c)	Location:	E-262		
(d)	Phone:	3500	Alternative Phone:	
(e)	Email:	odgers@camosun.bc.ca		
(f)	Website:			

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Review selected algebra topics: factoring, simplifying rational expressions, and solve polynomial and rational equations.
2. Evaluate functions, find the domain of functions, compose functions.
3. Graph polynomial and rational functions using symmetry, intercepts, asymptotes and a table of signs.
4. Use the Factor and Rational Zero Theorems to factor polynomials and find their real zeros.
5. Graph exponential and logarithmic functions and their transformations.
6. Use the properties of logarithms to simplify expressions, and solve equations and applied problems.
7. Graph the sine, cosine and tangent trigonometric functions and their transformations.
8. Use the Pythagorean identities, the sum and difference formulas, and the double angle formulas to simplify expressions, solve equations and verify other identities.
9. Use trigonometric functions to model real-life problems involving cyclical patterns.
10. Evaluate limits, find derivatives using the definition, and find equations of tangent lines.
11. Read and write mathematics at a level sufficient for entry into applied calculus.

3. Required Materials

- (a) Text: Algebra and Trigonometry, Camosun College 2nd custom ed based on 8th ed. by Sullivan.
- (b) Other: Sharp EL531-X Calculator

4. Course Content and Schedule

Quizzes are on Feb.3rd, Feb.24th, Mar.16th, and Apr.5th. Your final could be as late as Apr. 24th, 2012.

5. Basis of Student Assessment (Weighting)

4 quizzes and assignments	50%
Final Exam	50%

If your term work is **complete** and **satisfactory** and your final is better than your term work, then your final will count for 100% of your grade. This policy is prorated.

Note: No electronic devices of any sort (e.g. cellphones, ipods, translators) other than the Sharp EL531 are allowed on tests..

If you are going to miss a quiz, please familiarize yourself with the missed quiz policy below.

6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services, and the College web site in the Policy Section.

Missed Quiz/Rewrite Policy

Students are expected to make every reasonable effort to write the quiz at the scheduled time. **A missed quiz usually counts as a 0**, so if for any reason it appears that you may miss a quiz:

- **before the quiz**, talk with the instructor about missing the quiz, unless an unforeseen emergency makes this impossible, in which case leave a comprehensive message.
- assuming that you qualify for a deferred quiz (for instance, medical or compassionate leave), you will be expected to **write the quiz before the next class**; the quiz is usually left for the student in the math lab. If this isn't possible, make alternate arrangements with the instructor well before the next class after the quiz, unless an unforeseen emergency makes this impossible too. In that case, leave a comprehensive message.

Please inquire if you have any questions or concerns about your particular situation