



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:	Alan Meichsner
(b)	Office Hours:	Monday, Tuesday, Wednesday, Thursday, Friday 11:30 – 12:20
(c)	Location:	Ewing 250
(d)	Phone:	(250) 370-3321
(e)	Email:	meichsner@camosun.ca

2. Intended Learning Outcomes

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

Text: Algebra and Trigonometry by Michael Sullivan.
Either the 8th edition or the custom edition for Camosun College may be used.

4. Course Schedule

Monday: 12:30 – 1:20 in F-334
Tuesday: 12:30 – 1:20 in WT-102
Wednesday: 12:30 – 1:20 in F-200
Thursday: 12:30 – 1:20 in F-334
Friday: 12:30 – 1:20 in F-200

5. Basis of Student Assessment (Weighting)

The students mark will be based on four in class tests and a comprehensive final exam. Students will automatically be given the better of the following two options.

Option 1: In class tests 50% Option 2: Final Exam 100%
 Final Exam 50%

6. Grading System

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. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)
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.