



MATH-107-D01
Applied Precalculus
Winter 2021

COURSE OUTLINE

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

□ Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1. Instructor Information

(a) Instructor	Chris Odgers
(b) Office hours	In most cases, emails will be replied to within one business day, and emails sent during quizzes or tests (Fridays, starting at 0830) will usually be replied to within 5 minutes.
(c) Location	E-262
(d) Phone	370-3500 Alternative:
(e) E-mail	odgers@camosun.bc.ca
(f) Website	

2. Intended Learning Outcomes

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

1. Demonstrate proficiency in the fundamental concepts of Intermediate Algebra necessary to analyze and interpret single variable functions. This includes but is not limited to: factorization of polynomials and expressions with rational exponents, simplification of rational expressions, complex fractions and radicals, solving subsequent polynomial, radical, and rational equations, and single variable linear and quadratic inequalities.
2. Demonstrate the ability to understand and interpret visual 2-D representation of single variable relationships. This includes working with the basic concepts of graphing in the co-ordinate plane with an emphasis on linear equations, circles, and ellipses.
3. Work with analytic representations of single variable relationships and connect basic models to their visual representations. This includes building a foundation of understanding of terminology and notation for functions, including basic definitions and examples.
4. Work with more advanced functions to enable more complex modelling and analysis in follow-on courses. Examples include: quadratic, polynomial, rational, exponential, trigonometric and inverse trigonometric functions.
5. Solve word problems involving arithmetic and geometric sequences and series.

3. Required Materials

Materials: Pearson MyMathlab, Algebra and Trigonometry, Sullivan, 11th edition, (Go to the www.camosuncollegebookstore.ca site, under the Textbook Tab, top left, choose Access Codes; you are now on the CampusEbookstore interfaced site. Scroll through to find the course # and purchase the access code. Once payment goes through, you will have your Pearson code for the MyMathLab platform and link to publisher site. Register with Pearson, enter the course ID and enter the access code.)

Course ID: Odgers78018

4. Course Content and Schedule

Course content: R5-R8, 1.1, 1.2, 1.4, 1.5, 2.1-2.4, 11.3, 3.1-3.5, 4.3, 4.4, 5.1-5.6, 6.1-6.8, 7.1-7.8, 8.1, 8.3-8.6, 13.1-13.3.

Math 107 Pacing Schedule, Winter 2021						
week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
January 1	11 R5-R7 assignment 1 available	12 R8	13 1.1	14 1.2	15 1.4	16 assignment 2 available
2	18 2.1/2.2 assignment 1 due	19 2.3	20 2.4	21 11.3 assignment 2 due	22 Quiz 1 R5-11.3	23 assignment 3 available
3	25 3.1	26 3.2	27 3.3	28 3.4 assignment 3 due	29 Quiz 2 3.1-3.4	30 assignment 4 available
February 4	1 3.5	2 4.3	3 4.4	4 5.1 assignment 4 due	5 Test 1 R5-5.1	6 assignment 5 available
5	8 5.2/5.3	9 5.4	10 5.5	11 5.6 assignment 5 due	12 Quiz 3 5.2-5.6	13 assignment 6 available
	15	16	17	18	19	20
6	22 6.1	23 6.2	24 6.3	25 6.4 assignment 6 due	26 Quiz 4 6.1-6.4	27 assignment 7 available
March 7	1 6.5/6.6	2 6.7	3 6.8	4 7.1 assignment 7 due	5 Test 2 5.2-7.1	6 assignment 8 available
8	8 7.2	9 7.3	10 7.4	11 7.5 assignment 8 due	12 Quiz 5 7.2-7.5	13 assignment 9 available
9	15 7.6	16 7.7	17 7.8	18 8.1 assignment 9 due	19 Quiz 6 7.6-8.1	20 assignment 10 available
10	22 8.1	23 8.3	24 8.3	25 8.4 assignment 10 due	26 Test 3 7.2-8.4	27 assignment 11 available
11	29 8.4	30 8.5 assignment 11 due	31 8.5 Quiz 7 8.4,8.5	1 8.6	2 Easter	3 assignment 12 available

April 12	5 8.6	6 13.1	7 13.1	8 13.2 assignment 12 due	9 Quiz 8 8.6-13.2	10 assignment 13 available
13	12 13.2	13 13.3	14 13.3	15 assignment 13 due	16 Test 4 8.4-13.3	17
	19	20	21	22	23	
	26	27				

5. Basis of Student Assessment (Weighting)

Assessment/Grading:

Assignments: Every week there is an assignment, assigned on Saturday and due on Thursday (except for week 1, assigned on Tuesday, September 8, due on Monday, September 14).

Quizzes: There are 8 quizzes, all on Friday at 0830, except for Quiz 7, on Wednesday March 31 at 0830-0930. Please contact me if this Wednesday quiz time conflicts with another course.

Tests: There are 4 tests, all on Friday at 0830.

Final exam: This is comprehensive. It could be as late as April 27, 2021.

All assessment and grading is online.

14 assignments	15%
8 quizzes	25%
4 tests	30%
Final exam	30%

6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

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

8. College Supports, Services and Policies



Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

1. 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		1
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

B. 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 at <http://camosun.ca/about/policies/index.html> 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
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.