



**CAMOSUN COLLEGE**  
**School of Access**  
**Department of Mathematics & Statistics**

**Math 137 001**  
**Algebra & Triangle Trigonometry**  
**Spring 2016**

## COURSE OUTLINE

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The calendar description is available on the web @ [camosun.ca/learn/calendar/current/web/math](http://camosun.ca/learn/calendar/current/web/math)

*Ω 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.*

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### 1. Instructor Information

(a) Instructor	Crystal Lomas
(b) Office hours	Tu/Th 12:30 pm - 1:20 pm
(c) Location	E270
(d) Phone	250-370-3428 <b>Alternative:</b>
(e) E-mail	LomasC@camosun.bc.ca
(f) Website (D2L)	online.camosun.ca

### 2. Intended Learning Outcomes

(5 credits) This course provides a foundation for the further study of mathematics. Topics include linear equations and inequalities; function notation; linear functions; systems of linear equations in two variables; polynomial, rational and radical expressions and equations; quadratic functions and equations; and triangle trigonometry including the Sine and Cosine Laws.

Source: Camosun College calendar <http://camosun.ca/learn/calendar/current/web/math.html>

### 3. Required Materials

- (a) **Required Textbook:** Intermediate Algebra, 12<sup>th</sup> edition, M. L. Bittinger. You may choose to purchase either the print textbook or a code for access to the digital textbook (which also allows access to the solution manual, extra practice questions, and video lessons). The book store sells bundles with various combinations of the text and/or solutions manual and/or digital code.
- (b) **Calculator:** The only calculator allowed on tests and the final exam is the Sharp EL-531 scientific calculator.

### 4. Course Content and Schedule

We will cover Chapters R-7 in the textbook plus a trigonometry section covered by supplemental materials posted on D2L. The approximate pacing schedule is below.

**May 2016**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	R1-R2	R3-R4	R5-R6	R7	13	14
15	1.1-1.2 <b>FD 16</b>	1.2-1.3 <b>A1 17</b>	1.3-1.4 18	<b>T1(R)</b> 19	20	21
22	1.5-1.6 <b>Holiday</b>	1.6-2.1 <b>A2 24</b>	2.2, 2.3 25	2.4-2.5 26	27	28
29	30	2.6 31	3.1-3.2	<b>T2(1,2)</b>		
	3.3	3.4a, 3.7ab				

**June 2016**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	<b>A3 2</b>	3	4
5	6	7	4.1 8	4.2-4.3 9	10	11
12	4.4 13	<b>T3(3)</b> <b>A4 14</b>	4.5-4.6 15	4.7 16	17	18
19	4.8-5.1 20	5.2 21	5.3-5.4 22	<b>T4(4)</b> 23	24	25
26	5.4-5.5 27	5.6c <b>A5 28</b>	5.7 29	5.8 30		
	6.1	6.2	6.3	<b>T5(5)</b>		

**July 2016**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 <b>Holiday</b>	2
3	<b>WD 4</b>	5	6	<b>A6 7</b>	8	9
10	6.4-6.5 11	6.6 12	6.7 13	6.8 14	15	16
17	7.1 18	<b>T6(6)</b> 19	7.2 20	7.3 <b>A7 21</b>	22	23
24	7.4 25	7.5 26	7.6 27	7.7, 6.1* 28	29	30
31	6.1*	<b>T7(7)</b>	6.2*	6.3*		

**August 2016**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 <b>Holiday</b>	2	<b>A8 3</b>	4	5	<b>Term end 6</b>
7	8	8.1*	8.2*, Review	Review	12	13
14	[Exam Period 15	----- 16	----- 17	----- 18	----- 19	20
21	22	23	24	25	26	27
28	19	30	31			

## 5. Basis of Student Assessment (Weighting)

### (a) Assignments – 10%

There will be approximately 8 hand-in assignments, due by the end of class on each due date. Your single lowest assignment grade will be dropped from your grade calculation.

- Assignment solutions will be posted on D2L after the due date. As such, **late assignments will not be accepted**. You may hand assignments in early if necessary.
- Assignments are meant to be an assessment of how well you understand the material. They also allow me to give you feedback to improve your understanding and skills. Practice your skills on the textbook problems before doing your assignments.
- You are encouraged to discuss textbook problems and concepts with your classmates, but your submitted assignments must be **entirely your own work**.

### (b) Term Tests – 40%

There will be 7 in-class term tests.

- The dates and topics for the tests are on the pacing schedule.
- Answers for tests will be posted on D2L after the test date. As such, **no make-up tests** will be given; if you have an emergency and provide me with proper documentation (i.e. a doctor's note), the weight of your test will be moved onto the final exam. Otherwise, you will receive a grade of 0 for any missed test.

### (c) Final Exam – 50%

The final exam will cover the entire course and will be 3 hours long. As stated in the current college calendar, "students are expected to write tests and final examinations at the scheduled time and place." Exceptions will only be considered due to **emergency** circumstances as outlined in the calendar. The calendar specifically states that "holidays or scheduled flights are not considered to be emergencies." The final exam schedule is posted in late May.

## 6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

## 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, Student Services or the College web site at <http://www.camosun.bc.ca>

### STUDENT CONDUCT POLICY

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

<http://www.camosun.bc.ca/policies/policies.html>

### ACADEMIC INTEGRITY

The Department of Mathematics and Statistics has prepared a handout called *Student Guidelines for Academic Integrity* to help you interpret college policies involving student conduct, academic dishonesty, plagiarism, etc. It is your responsibility to become familiar with the contents of the document and the college policies it references.

A. GRADING SYSTEMS <http://www.camosun.bc.ca/policies/policies.php>

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://www.camosun.bc.ca/policies/E-1.5.pdf> 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.