



MATH 135-001
Career Algebra
Winter 2019

COURSE OUTLINE

The calendar description is available on the web @
<http://camosun.ca/learn/calendar/current/web/math.html#MATH135>

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.

1. Instructor Information

(a) Instructor	Patricia (Pat) Wrean
(b) Office hours	Posted on office door and on website
(c) Location	CBA 153
(d) Phone	(250) 370-4542 Alternative: _____
(e) E-mail	wrean@camosun.bc.ca
(f) Website	http://wrean.ca/math135/

2. Intended Learning Outcomes

(If any changes are made to this part, then the Approved Course Description must also be changed and sent through the approval process.)

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

1. Demonstrate basic numeracy by performing arithmetic with and without a scientific calculator.
2. Read and write mathematics at a level sufficient for entry into the criminal justice program or business programs or elementary statistics.
3. Demonstrate an understanding of basic algebra:
 - Explain why the learned algebraic rules make sense.
 - Simplify algebraic expressions involving nested brackets.
 - Use exponent rules to simplify algebraic expressions with integer and rational exponents.
 - Solve linear equations including equations with fractions. Use formulas and solve formulas for a given variable. Solve linear and compound inequalities and graph solutions on the number line. Solve applied problems using a single variable.
 - Interpret mathematical statements involving function notation. Evaluate functions. Graph basic equations by constructing a table of values.
 - Graph linear functions using a variety of strategies. Determine equations of lines given a graph or two points or the slope and a point. Model problems using linear functions.
 - Solve systems of linear equations in two variables by graphing, substitution, and elimination. Solve applied problems using two variables.
 - Add, subtract and multiply polynomials. Divide a polynomial by a monomial.

3. Required Materials

Textbook: Career Algebra , Tobey, Slater, Blair, Crawford, 1st Custom Edition, Pearson, 2013.

Calculator:

- Calculators allowed on tests and the final exams are the Sharp EL-531 scientific calculator and the Texas Instruments BA II.
- Calculators will not be allowed on the first test, and there is a no-calculator portion of the final exam.

4. Course Content and Schedule

We will cover the following chapters in the textbook:

- Chapter 0 (R) – A Brief Review of Arithmetic Skills
- Chapter 1 – Real Numbers and Variables
- Chapter 2 – Equations and Inequalities
- Chapter 3 – Solving Applied Problems
- Chapter 4 – Exponents and Polynomials
- Chapter 5 – Graphing and Functions
- Chapter 6 – Systems of Equations

In addition, we will cover two supplementary topics:

- Compound Inequalities (Section 2.6*)
- Rational Exponents (Section 4.2*).

An approximate pacing schedule is posted on the course website.

5. Basis of Student Assessment (Weighting)

(Should be directly linked to learning outcomes.)

Grade Calculation: The final grade will be calculated according to the following breakdown:

Assignments:	5%
Tests:	45%
Final Exam:	50%

Tests: There will be four term tests. The first time a student misses a test for any reason, the weight of the missed test will be transferred to the final exam. No documentation is required for the first absence. For any further absences, documentation is required or a zero will be given. There are no make-up tests.

There is absolutely **no collaboration** allowed on term tests. No electronic device other than the approved calculator may be used on term tests. The first test is no-calculator.

Final Exam: The 3-hour final exam covers the entire course and takes place during final exam week. 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.”

There is absolutely **no collaboration** allowed on the final exam. No electronic device other than the approved calculator may be used on the final exam. There is a portion of the final exam which is no-calculator.

Assignments: The assignments are online. The lowest assignment grade will be dropped when calculating the average of your assignments. This allows a student to miss one assignment for any reason, including illness, without penalty.

Late Policy: The online assignments close on the due date and late online submissions will not be accepted.

Collaboration Policy: Student are encouraged to collaborate (work together) on assignments and to consult the Math Lab tutor and/or the instructor when stuck. However, you must be prepared to answer similar questions on your own for the tests and final exam, so it is vital that you yourself understand all of the assigned questions and work that you turn in.

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. Copies will made available during the first week of classes, and the course website has a link to the handout on the About page. It is your responsibility to become familiar with the contents of the document and the college policies it references.

Exit Grade: Successful completion of Math 135 awards 3 credits.

Please note that Math 135 cannot be used by BBA students to satisfy the UT math requirement although it can satisfy pre-requisites.

You will need a grade of B or better in this course to get into Math 139. You will need a grade of C+ or better for Business programs at Interurban and the following courses: Math 073, 109, 142, and 143. A grade of C or better is needed for Math 137.

6. Grading System

(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

(Mark with "X" in box below to show appropriate approved grading system – see last page of this template.)

Standard Grading System (GPA)

Competency Based Grading System

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

You can get free face-to-face tutoring from our instructional assistants in the Math Help Centres/Labs in TEC142 (Interurban) or E224 & E342 (Lansdowne). Hours are posted on the doors and on the website <http://camosun.ca/services/help-centres/>.

Students with disability-related academic barriers are encouraged to consult with the Centre for Accessible Learning (CAL) to see whether they are eligible for exam or in-class accommodations. The CAL website is <http://camosun.ca/services/accessible-learning/>.

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://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
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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.

9. Territorial Acknowledgement

Camosun College campuses are located on the traditional territories of the Lkwungen and WSÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.