

COURSE SYLLABUS



COURSE TITLE: Math 072

CLASS SECTION: D02

TERM: Fall, 2021

COURSE CREDITS: 4

DELIVERY METHOD(S): Online

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.
Learn more about Camosun's

The COVID-19 pandemic has presented many challenges, and Camosun College is committed to helping you safely complete your education. Following guidelines from the Provincial Health Officer, WorkSafe BC, and the B.C. Government to ensure the health and wellbeing of students and employees, Camosun College is providing you with every possible protection to keep you safe. Our measures include COVID Training for students and employees, health checks, infection control protocols including sanitization of spaces, PPE and ensuring physical distancing. For details on these precautions please follow this link: <http://camosun.ca/covid19/faq/covid-faqs-students.html>. However, if you're at all uncomfortable being on campus, please share your concerns with your Instructor. If needed, alternatives will be discussed.

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

INSTRUCTOR DETAILS

NAME: Cathy Frost

EMAIL: frost@camosun.bc.ca

OFFICE: D2L Collaborate

HOURS: Mon 12:00-12:30pm, Tues & Thur 1-1:30pm

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

CALENDAR DESCRIPTION

This course provides the algebra skills required for statistics, criminal justice and some business programs. Topics include linear equations and inequalities, rearranging formulas, linear equations in two variables, systems of linear equations, integer and rational exponents, polynomials and factoring.

PREREQUISITE(S):

One of:

- C in Foundations of Math and Pre-calculus 10
- C- in Pre-calculus 11
- C in [MATH 053](#)
- C in [MATH 057](#)

COURSE LEARNING OUTCOMES / OBJECTIVES

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

1. Demonstrate basic numeracy skills by performing mathematical operations on real numbers including absolute value and exponents, with and without scientific calculators.
2. Read and write mathematics at an Adult Basic Education Advanced Level.
3. Solve linear equations and equations involving absolute value. Use formulas and solve formulas for a given variable. Solve linear and compound inequalities and express answers in both set and interval notation.
4. Determine whether or not relations are functions. Evaluate functions. Determine the functions (quadratic, reciprocal and absolute value) using a table of values.
5. Graph linear equations using a variety of strategies. Determine equations of lines given two points or the slope and a point. Model simple real-life problems that require linear equations (for example, finding the size of a fish growing at a fixed rate, determining the cost of a job involving fixed and variable costs).
6. Solve systems of linear equations in two variables by graphing, substitution, and elimination.
7. Determine whether expressions are polynomials. Classify polynomials by degree and type. Add, subtract and multiply polynomials. Factor polynomials completely using a variety of strategies.
8. Use the laws of exponents to simplify expressions containing rational exponents. Convert expressions between radical and exponential form.
9. Solve applied problems including those involving geometry, mixture and money (simple interest, investment, % discount, buying/selling).

After completion of Math 072 **and** 073, students will meet the outcomes as identified in the Adult Basic Education Articulation Handbook found at <https://www.bctransferguide.ca/docs/ABE2122.pdf>

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

(a) Computer/Tablet/Phone and Reliable Internet Access Please contact me if you do not have a device. It is your responsibility to make sure your internet is working for all assessments. It's beneficial to have a microphone (usually imbedded in your computer).

(b) Textbook/E-text

You can choose either the print or e-text (both come with the MLM access code)

Print text: Go to <https://www.camosuncollegebookstore.ca/>

Search for "Intermediate Algebra" (choose loose-leaf or paperback)

E-text : https://www.camosuncollegebookstore.ca//buy_access_codes.asp?

Select Math072/073

c) Register for MyLabMath (MLM) This gives you access to the e-text, videos, assignments and practice tests.

Go to <https://mlm.pearson.com/northamerica/mymathlab/students/get-registered/index.html>

Use your MLM access code that you just bought from the bookstore and the Course ID **frost77430**. You can get 14 days of free temporary access. If you already have an access code for this textbook, it's good for 2 years.

c) Other

Calculator: The Sharp EL-531 scientific calculator is recommended, however in this online course any non-programmable calculator will be acceptable.

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

**Classes are held online in D2L Collaborate.
Homework, Quizzes and Tests are done in MyMathLab (MLM).**

Wk	Starting week of	Monday <i>Quizzes 11:20-11:50am Tests 11:00-11:50am</i>	Tuesday 11:00am-12:50pm	Wednesday	Thursday 11:00am-12:50pm	Weekly Assignments <i>Assts are due Sun. @ 11:59pm</i>
1	Sep 6	HOLIDAY	Intro Just in Time Review (JITR)		Just in Time Review (JITR)	<i>Asst How to Enter Answer and JITR # 1-10</i>
2	Sep 13	Mini-Lesson <i>11:20 Quiz JITR Part 1</i>	1.1 Solving Equations		1.2 Formulas and Applications <i>Review</i>	<i>Asst JITR # 11-20 *Practice Test JITR</i>
3	Sep 20	<i>Test JITR #1-20</i>	1.3 Applications and Problem Solving		1.4 Sets, Inequalities, and Interval Notation	<i>Asst 1.1-1.4</i>
4	Sep 27	Mini-Lesson <i>Quiz Chap 1.1-1.4</i>	1.5 Intersections, Unions, and Compound Inequalities		1.6(a-d) Absolute-Value Equations <i>Review</i>	<i>Asst 1.5&1.6 *Practice Test Chap 1</i>
5	Oct 4	<i>Test Chap 1</i>	2.1 Graphs of Equations		2.2 Functions and Graphs 2.3 Finding Domain and Range	<i>Asst Chap 2.1-2.3</i>
6	Oct 11	HOLIDAY	2.4 Linear Functions: Graphs and Slope		2.5 More on Graphing Linear Equation	<i>Asst Chap 2.4&2.5</i>
7	Oct 18	Mini-Lesson <i>Quiz Chap 2.1-2.5</i>	2.6 Finding Equations of Lines: Applications		<i>Review</i>	<i>Asst Chap 2.6 *Practice Test Chap 2</i>
8	Oct 25	<i>Test Chap 2</i>	3.1 Systems of Equations in Two Variables (omit consistency & dependence) 3.2 Solving by Substitution		3.3 Solving by Elimination	<i>Asst Chap 3.1-3.3</i>
9	Nov 1	Mini-Lesson <i>Quiz Chap 3.1-3.3</i>	3.4a Solving Applied Problems		3.7ab Systems of Inequalities in Two Variables <i>Review</i>	<i>Asst Chap 3.4a&3.7ab *Practice Test Chap 3</i>
10	Nov 8	<i>Test Chap 3</i>	4.1 Introduction to Polynomials 4.2 Multiplication of Polynomials <i>Drop Deadline to avoid Academic Penalty</i>		HOLIDAY	<i>Asst Chap 4.1 & 4.2</i>
11	Nov 15	Mini-Lesson <i>Quiz Chap 4.1-4.2</i>	4.3 Introduction to Factoring 4.4 Factoring Trinomials: $x^2 + bx + c$		4.5 Factoring Trinomials: $ax^2 + bx + c$	<i>Asst Chap 4.3 -4.5</i>
12	Nov 22	Mini-Lesson <i>Quiz Chap 4.3-4.5</i>	4.6 Special Factoring		4.7 Factoring: A General Strategy	<i>Asst Chap 4.6&4.7</i>
13	Nov 29	Mini-Lesson <i>Quiz Chap 4.6-4.7</i>	4.8 Applications of Polynomial Equation		<i>Review</i>	<i>Asst Chap 4.8 *Practice Test Chap 4</i>
14	Dec 6	<i>Test Chap 4</i>	Exam Review		Exam Review	
Dec 13- 21 Final Exam Period. The exam date and time will be posted in October. You must be available to write the final exam at that time. No exceptions.						

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced notice is required. Deadlines can be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). <http://camosun.ca/services/accessible-learning/exams.html>

EVALUATION OF LEARNING

DESCRIPTION	WEIGHTING
Homework Assignments	20%
Quizzes	15%
Tests	30%
Final Exam	35%
TOTAL	100%

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the [Grade Review and Appeals](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information. <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

COURSE GUIDELINES & EXPECTATIONS

Classes and office hours are held online in D2L Collaborate. Homework, Quizzes, Tests and the Final exam are done in MyMathLab (MLM).

a) Weekly Homework Assignments (20%): Each week, HW assignments are posted in **MLM** on Mondays and are due the following Sunday@11:59pm. You have three attempts to complete a question.

b) Weekly Quizzes (15%): Quizzes are on Mondays (unless there's a test) @11:20-11:50am on **MLM**. One attempt. You do not have to submit your work.

c) Tests (30%): There are 5 tests on selected Mondays from 11:00-11:50am on **MLM**. Dates and topics are on the pacing schedule above. If you miss a test, a zero will be assigned unless you contact me via e-mail before the test to make other arrangements. One attempt.

For test, enter your answers in **MLM** and show your work on your own paper, clearly numbered. Scan your work as a pdf file, open up the Assignment Tool on **D2L** and submit it under Test Work by 12:30pm on the test day. You may have a scanning app on your phone, or you can take a picture, but you must save it as a pdf.

d) Final Exam (35%): The comprehensive final exam is on **MLM** and is based on the entire course. One attempt. The exact date and time of your exam will be posted in MyCamosun sometime in October. The time of the exam is not negotiable. If a student would prefer to write the exam in person and on campus, arrangements can be made providing it is safe to do so.

How to Get Help:

- a) During class: In [D2L Collaborate](#), you can use the 'Raise Hand' or 'Chat' features, or simply ask your question.
- b) Office Hours: Stay after class on Collaborate
- c) During a test or quiz: Email me and I'll get back to you as quickly as possible.
- d) Outside of class hours: Email me. I will usually get back to you within 1 business day.
- e) Free tutoring : [Math Help Centres](#)
- f) Technical Support for MyMathLab: <http://www.mymathlab.com/student-support>

SCHOOL OR DEPARTMENTAL INFORMATION

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Academic Advising	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Writing Centre	http://camosun.ca/writing-centre

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started:

<http://camosun.ca/services/accessible-learning/>

Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit

<http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca or by phone: 250-370-3046 or 250-3703841

Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College's expectations of academic integrity and student behavioural conduct.

Changes to this syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.