

# COURSE SYLLABUS



COURSE TITLE: Math075 | College Prep – Applied Math

CLASS SECTION: D01

TERM: Summer 2021

DELIVERY METHOD(S): Online

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

Learn more about Camosun's [Territorial Acknowledgement](#).

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/fag/covid-faq-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.

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*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

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NAME: Dr. Muhammad Awais

EMAIL: [awaism@camosun.bc.ca](mailto:awaism@camosun.bc.ca)

OFFICE HOURS: Tuesday & Thursday | 11:00 - 11:50 AM | Zoom Link: <https://uvic.zoom.us/j/88515806357>

CLASS TIME: Monday to Thursday | 2:30 - 4:20 PM | Zoom Link: <https://uvic.zoom.us/j/89248080352>

*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

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

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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You can find the free course textbook at: <https://openstax.org/details/books/intermediate-algebra>

## COURSE LEARNING OUTCOMES / OBJECTIVES

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The learning outcomes in this course meet the required learning outcomes in ABE Mathematics: Advanced Level (Business) as outlined in the BC ABE Articulation Handbook 2018/19 Edition. Upon successful completion of this course a student will be able to:

1. Demonstrate basic numeracy operations with real numbers to be able to perform arithmetic with and without a scientific calculator. It is expected that learners will be able to:
  - a. add, subtract, multiply and divide rational numbers,
  - b. evaluate powers with rational bases and integer exponents,
  - c. demonstrate the order of operations with rational numbers,
  - d. evaluate radicals and distinguish between exact answers and approximate answers,
  - e. write numbers in scientific notation, convert from scientific notation to standard notation, and multiply and divide numbers expressed in scientific notation, and
  - f. use a scientific calculator.
  
2. Demonstrate the ability to work with and apply first degree equations and inequalities in a single variable. It is expected that learners will be able to:
  - a. solve first degree equations, in one variable, including those involving parentheses,
  - b. solve formulas for a given variable,
  - c. solve first degree inequalities in one variable, and
  - d. solve practical problems using a first degree equation.
  
3. Demonstrate an understanding of single variable function equations and their planar graphs, and relate the visual and algebraic expressions. It is expected that learners will be able to:
  - a. plot points on a coordinate system,
  - b. use number pairs to name points on the coordinate system,
  - c. determine whether a given point is a solution to an equation in two variables, and
  - d. create an appropriate table of values and recognize the graph of linear and quadratic functions.
  
4. Develop fundamental skills in data analysis. It is expected that learners will be able to:
  - a. determine the mean, median, mode and range from a set of data,
  - b. interpret and/or construct frequency tables, broken line graphs, bar graphs, and stem-plots from a set of data,
  - c. design a statistical experiment, collect the data, analyze and communicate the results,
  - d. find quartiles and the percentile represented by a given data value,
  - e. calculate the standard deviation of a set of data using appropriate technology, and
  - f. use z-scores to analyze normally distributed data.
  
5. Use systems of two equations to solve linear problems in two variables. It is expected that learners will be able to:
  - a. solve systems of linear equations in two variables graphically and/or algebraically
  - b. graph linear inequalities in two variables
  - c. solve graphically, systems of linear inequalities, and
  - d. solve practical problems.

## COURSE SCHEDULE for ACTIVITY / EVALUATION

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

ACTIVITY	Tentative Dates
Homework - 1	May 12
Midterm Exam - 1	May 13
Homework - 2	May 26
Midterm Exam - 2	May 27
Homework - 3	June 9
Midterm Exam – 3	June 10

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

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DESCRIPTION	WEIGHTING
CheckPoint Quizzes	10 %
Assignments	20 %
Midterm Tests	30 %
Final Exam	40 %
	<b>TOTAL</b>
	100%

If you have a concern about a grade you have received for an evaluation, please email me as soon as possible [no later than 7 calendar days]. 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

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### Final Exam

The final exam will cover the entire course and will be 2 hours long; it will contain a no-calculator section. 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 generally posted within one week of the second Friday in February.

### CheckPoint Quizzes

The CheckPoint quizzes are to be taken every day after the lecture, and assess your understanding of the taught material. They are due at 11:00 PM every day of the lecture.

## Assignments

There will be three homework assignments which you will do on the dates mentioned above. Assignment solutions will be posted on D2L and are due most Wednesday nights at 11:00 PM. All homework will have two stages. There is a portion tested on D2L as a multiple choice quiz (25% of the homework grade), graded by the computer, followed by a portion that you write out by hand and scan in (75% of the homework grade).

## Midterm Tests

There will be three in-class (synchronous) term tests. No make-up tests will be given; if you have an emergency, please talk to me as soon as possible. Otherwise, you will receive a grade of 0 for any missed test.

Regardless of the reason, there will be no make-up midterm tests. If you miss a midterm test due to illness, accident, or family affliction, you should very quickly notify the instructor, and provide a written request to be excused as well as supporting documentation. In such cases, your performance on the rest of the term's work, not including the final exam, will be used to compute a numerical score for the missed midterm.

Tests will also have two stages. There is a portion tested on D2L as a multiple choice quiz (25% of the midterm grade), graded by the computer, followed by a portion that you write out by hand and scan in (75% of the midterm grade). Tests are open book, are timed, and are individual.

## STUDENT RESPONSIBILITY

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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

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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/>.

Support Service	Website
Academic Advising	<a href="http://camosun.ca/advising">http://camosun.ca/advising</a>
Accessible Learning	<a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a>
Counselling	<a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>
Career Services	<a href="http://camosun.ca/coop">http://camosun.ca/coop</a>
Financial Aid and Awards	<a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>
Help Centres (Math/English/Science)	<a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>
Indigenous Student Support	<a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>
International Student Support	<a href="http://camosun.ca/international/">http://camosun.ca/international/</a>

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Support Service	Website
Learning Skills	<a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>
Library	<a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>
Office of Student Support	<a href="http://camosun.ca/oss">http://camosun.ca/oss</a>
Ombudsperson	<a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>
Registration	<a href="http://camosun.ca/registration">http://camosun.ca/registration</a>
Technology Support	<a href="http://camosun.ca/its">http://camosun.ca/its</a>
Writing Centre	<a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a>

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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.

## COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

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### 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](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto: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.*