



## LEARNING OUTCOMES:

As a result of taking this course, students will gain the ability to:

- Simplify expressions with whole numbers, decimals, integers, and fractions using the rules for order of operations
- Write a ratio to compare two quantities with same units from real life situations
- Compare unit rates using number relation symbols
- Solve real life problems using proportions
- Solve general applied percent problems such as interest, sales tax, commission, etc.
- Evaluate exponential expressions containing negative and positive exponents using the rules for order of operations
- Convert between scientific notations and standard form, and multiply and divide using scientific notation
- Solve simple linear equations with additive inverse and/or multiplication by a reciprocal
- Identify pairs of corresponding angles, interior angles, and alternate interior angles, and apply properties of transversals and parallel line to find measures of angles
- Calculate the measures of angles, chords, and/or radii using the circle properties
- Plot and construct graphs in a rectangular co-ordinate system and state the slope of a line containing points with co-ordinates
- Construct a line graph, pictograph, component graph, circle graph, histogram, and polygon using the given data
- Construct a frequency table from raw data, and display the information
- Draw an inference using the central tendency of a set of raw data

**TRANSFERABILITY: N/A**

## EVALUATIONS:

3 section tests (best 3 out of 4)	30 %
Midterm	25 %
Final Exam	45 %

\*\*Note: Even though 50% is a passing mark, a mark of at least 60% is recommended for success in future courses.

## GRADING CRITERIA:

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	95-100	C+	2.3	67-69
A	4.0	85-94	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	D+	1.3	55-59
B	3.0	73-76	D	1.0	50-54
B-	2.7	70-72	F	0.0	00-49

## COURSE SCHEDULE/TENTATIVE TIMELINE:

See table on last page.

## STUDENT RESPONSIBILITIES:

In addition to the Student Rights and Responsibilities as set out in the college website, the following guidelines will maintain an effective learning environment for everyone:

- Regular attendance is expected of all students in all mathematics courses. Your success in math is directly linked to your attendance. Attendance will be taken daily.
- Students are expected to be punctual. Arrive on time for classes and remain for the duration of scheduled classes.
- Refrain from disruptive talking or socializing during class time.
- Be respectful of others regarding food or beverages in the classroom. Clean up your eating area and dispose of garbage.
- Recycle paper, bottles, and cans in the appropriate containers.
- Children are not permitted in the classrooms.
- Students are expected to notify the instructor of any extenuating circumstances.
- Students are expected to silence cell phones during class time. No unspecified electronic devices will be allowed in exams.

## STATEMENT ON ACADEMIC MISCONDUCT:

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and Responsibilities policy available at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

\*\*Note: all Academic and Administrative policies are available on the same page.

**MA0093 Tentative Test Schedule for Fall 2023**

<b>Test #</b>	<b>% towards final grade</b>	<b>Topics</b>	<b>Recommended Test Date</b>	<b>Date written</b>	<b>Mark</b>
1	10%	Review & Ratio and Proportion	September 22		
2	10%	Percent & Intro to Exponents	October 18		
Midterm Exam	25%	All the Above	October 25		
3	10%	Equations & Fund. Of Geometry	November 16		
4	10%	Intro to Graphing & Statistics	December 8		
Final Exam	45%	All of the Above	TBA (Dec. 14-21) 3 hour exam		

**\*\*\*All tests must be completed by December 8th.**

**\*\*\*Midterm must be completed by October 26<sup>th</sup>.**