

DEPARTMENT of ACADEMIC UPGRADING

COURSE OUTLINE – Fall 2024

MA0060 (A2, B2):Basic Mathematics I – 5 (7.5-0-0) 112.5 Hours for 15 Weeks

Northwestern Polytechnic acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

INSTRUCTOR:	SHERYL HEIKEL	PHONE:	(780)539-5029
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OFFICE HOURS:	TBD or by appointment		

INSTRUCTOR:	DORIS LACHANCE	PHONE:	(780)539-2234
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CALENDAR DESCRIPTION:

This course is a modularized program of study which covers a review of reading, writing and rounding of whole numbers, if required, as well as whole number multiplication and division. Problem-solving is emphasized throughout, and squares, square roots and the order of operations are introduced.

PREREQUISITE(S):

- Complete all of the following:
 - MA0060 placement score
 - EN0080 placement score

REQUIRED TEXT/RESOURCE MATERIALS:

Tobey, John; et al. STEPPING IT UP Preparing for College Math. Toronto: Pearson, 2011.)

Internet access for MyClass and additional material

DELIVERY MODE(S):

- On-campus (attend on-campus, in-person) – This type of course will be delivered on campus in a specific location which will be indicated on the student timetable. Students are expected to fully attend in person.
- MA0060 is a modularized math course.

LEARNING OUTCOMES:

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

- Write and read standard numbers in expanded or word form
- Add several single-digit or several-digit numbers
- Identify the associative & commutative property and zero identity of addition
- Subtract whole numbers when borrowing is necessary or not necessary
- Verify the answer to a subtraction problem
- Multiply a several-digit number by a single-digit or a several-digit number
- Perform division by a one-digit or two-or-more digit number
- Use multiplication to verify a division answer
- Perform several arithmetic operations in the proper order
- Apply arithmetic manipulation (+, -, ×, ÷) to real-life situations
- Use estimation skills to answer to real-life situations

TRANSFERABILITY: N/A

EVALUATIONS:

4 section tests (best 4 out of 5)	40 %
Assignments	10 %
Midterm	20 %
Final Exam	30 %

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 Northwestern Polytechnic website

(<https://www.nwpolytech.ca/about/administration/policies/fetch.php?ID=69>), 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.

MA0060 Tentative Test Schedule for Fall 2024

Test or Assignment #	% towards final grade	Topics	Recommended Date	Date written	Mark
A1	1%	Section 1: Whole Numbers	September 9		
A2	1%	Section 2: Adding	September 16		
T1	10 %	Understanding Whole Numbers & Adding Whole Numbers	September 18		
A3	1%	Section 3: Subtracting	September 26		
A4	1%	Section 4: Multiplying	October 4		
T2	10 %	Subtracting Whole Numbers Times tables from 0-12 Multiplying Whole Numbers	October 10		
A5	1%	Section 5: Dividing	October 23		
T3	10 %	Dividing Whole Numbers & Multiplication table 0-12	October 25		
AM	1%	Midterm review	October 29		
Midterm Exam	20 %	All of the above.	October 30		
A6	1%	Section 6: Exponents & BEDMAS	November 8		
A7	1%	Section 7: Rounding & Estimating	November 22		
T4	10 %	Exponents & Order of Operations & Rounding and Estimating	November 26		
A8	1%	Section 8: Problem Solving	December 4		
T5	10 %	Solving Applied Problems Involving Whole Numbers	December 6		
AF	1%	Final Review	December 10		
Final Exam	30 %	All of the above	TBA (Dec. 12-20) 3 hour exam		

*****Assignments must be completed before corresponding test.**

*****All tests must be completed by December 6th.**

*****Midterm must be completed by November 6th.**