

ORIGINAL COURSE IMPLEMENTATION DATE: REVISED COURSE IMPLEMENTATION DATE: COURSE TO BE REVIEWED (six years after UEC approval): September 2009 January 2023

June 2028

Course outline form version: 06/18/2021

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: MATH 052			Number	Number of Credits: 1.5 Course credit policy (105)			
Course Full Title: Fundamental Math I							
Course Short Title:							
Faculty: Faculty of Education, Community, and Human Development I			Departm	ent: Upgrading and Univ	ersity Preparation		
Calendar Description:							
The first of four fundamental-level mathemati perimeter, and initial measurement.	cs courses. Co	vers place va	alue, estim	ation, operations on who	le numbers, area and		
Prerequisites (or NONE):	UUP department permission (assess			sment is required).			
Corequisites (if applicable, or NONE): NONE							
Pre/corequisites (if applicable, or NONE):	I: NONE						
Antirequisite Courses (Cannot be taken for additional credit.)		Course Details					
Former course code/number: MATH 051		Special Topics course: No					
Cross-listed with: NONE			(If yes, the course will be offered under different letter designations representing different topics.)				
Equivalent course(s): NONE							
(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)			Grading System: Letter Grades				
			Delivery Mode: May be offered in multiple delivery modes				
				Expected frequency: Every semester			
Typical Structure of Instructional Hours			Maximum enrolment (for information only): 24				
Tutonais/workshops		40	Prior L	earning Assessment an	d Recognition (PLAR)		
			PLAR o	annot be awarded for t	his course because:		
			studen	ts are placed according	to the Departmental		
			A33033				
	Total hours	45	Transfe	Transfer Credit (See <u>bctransferguide.ca</u> .)			
Labs to be scheduled independent of lecture	hours: 🛛 No	Yes	Transfe	Transfer credit already exists: No			
			Submit outline for (re)articulation: No				
			(IT yes	s, iiii iri <u>transter credit forn</u>	<u>(1</u> .)		
Department approval				Date of meeting:	November 2021		
Faculty Council approval			Date of meeting:	December 3, 2021			
Undergraduate Education Committee (UEC) approval			Date of meeting:	June 17, 2022			

Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1. Define key words and symbols such as digit, place value, operation, sum, difference, and factor.
- 2. Identify place value up to 1,000,000.
- 3. Read and write numbers up to 1,000,000.
- 4. Round numbers up to the nearest 1,000,000.
- 5. Add, subtract, multiply, and divide whole numbers.
- 6. Estimate answers to a variety of problems to the millions place value.
- 7. Use addition, subtraction, multiplication, division, and proper units when solving application problems.
- 8. Find perimeter and area of figures composed of rectangles and squares.

After completion of MATH 052, students will meet the outcomes as described in the Adult Literacy Fundamental Math Levels 1, 2, and 3 in the 2021 – 2022 Adult Basic Education Articulation Guide available at https://www.bctransferguide.ca/search/abe.

Recommended Evaluation Methods and Weighting (Evaluation should align to learning outcomes.)

Final exam: 40%	Quizzes/tests: 60%	%
%	%	%

Details: 6 quizzes and 1 final exam.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Texts and Resource Materials (Include online resources and Indigenous knowledge sources. <u>Open Educational Resources</u> (OER) should be included whenever possible. If more space is required, use the <u>Supplemental Texts and Resource Materials form</u>.)

	Туре	Author or description	Title and publication/access details	Year
1.	Textbook	W. Tagami/L. Girard	Adult Fundamental Literacy Math Books 1, 2, and 3 Creative Commons	2018
2.	Textbook	Baratto and Bergman	Prealgebra McGraw Hill Education	2014

3. 4.

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Required Additional Supplies and Materials (Software, hardware, tools, specialized clothing, etc.)

None

Course Content and Topics

Module topics include:

- Place value and estimation
- Operations on whole numbers
- Perimeter and area
- Measurement