ORIGINAL COURSE IMPLEMENTATION DATE:	September 2009
REVISED COURSE IMPLEMENTATION DATE:	January 2020
COURSE TO BE REVIEWED (six years after UEC approval)**:**	September 2025

Course outline form version: 05/18/2018

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 of Credits:** 1.5 Course credit policy (105)
Course Full Title: Fundamental Math I **Course Short Title:**	
Faculty: Faculty of Access and Continuing Education	**Department (or program if no department):** Upgrading and University Preparation

Calendar Description:

The first of four fundamental math levels. Covers place value, estimation, operations on whole numbers, area and perimeter, and initial measurement.

Prerequisites (or NONE):	UUP Department permission (assessment may be required).
Corequisites (if applicable, or NONE):	None
Pre/corequisites (if applicable, or NONE):	None

Antirequisite Courses *(Cannot be taken for additional credit.)*

Former course code/number: MATH 051

Cross-listed with:

Dual-listed with:

Equivalent course(s):

(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.)

Typical Structure of Instructional Hours

Lecture/seminar hours	45
Tutorials/workshops	
Supervised laboratory hours	
Experiential (field experience, practicum, internship, etc.)	
Supervised online activities	
Other contact hours:	
Total hours	**45**

Labs to be scheduled independent of lecture hours: ☒ No ☐ Yes

Special Topics *(Double-click on boxes to select.)*

This course is offered with different topics:

☒ No ☐ Yes *(If yes, topic will be recorded when offered.)*

Independent Study

If offered as an Independent Study course, this course may be repeated for further credit: *(If yes, topic will be recorded.)*

☐ No ☐ Yes, repeat(s) ☐ Yes, no limit

Transfer Credit

Transfer credit already exists: *(See **bctransferguide.ca**.)*

☒ No ☐ Yes

Submit outline for (re)articulation:

☒ No ☐ Yes *(If yes, fill in transfer credit form.)*

Grading System

☒ Letter Grades ☐ Credit/No Credit

Maximum enrolment (for information only): 24

Expected Frequency of Course Offerings:

Every Semester

Department / Program Head or Director: Greg St Hilaire	**Date approved:**	March 1, 2019
Faculty Council approval	**Date approved:**	March 8, 2019
Dean/Associate VP: Dr. Sue Brigden	**Date approved:**	March 8, 2019
Campus-Wide Consultation (CWC)	**Date of posting:**	June 21, 2019
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	September 27, 2019

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, and division when solving application problems.
8. Find perimeter and area of figures composed of rectangles and squares.
9. Use appropriate units in problem solving.

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 2018 – 2019 Adult Basic Education Articulation Guide available at:
https://www2.gov.bc.ca/assets/gov/education/post-secondary-education/adult-education/abe_guide.pdf

Prior Learning Assessment and Recognition (PLAR)

☐ Yes ☒ No, PLAR cannot be awarded for this course because

Typical Instructional Methods *(Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.)*

Methods may include mini-lessons, individual assistance, group activities, assignments, demonstrations, group problem solving, math labs, and computer assisted learning.

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

Typical Text(s) and Resource Materials *(If more space is required, download Supplemental Texts and Resource Materials form.)*

	Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1.	W. Tagami/ L. Girard	Adult Fundamental Literacy Math Books 1, 2, and 3	☒	Creative Commons	2018
2.	Baratto and Bergman	Prealgebra	☒	McGraw Hill Education	2014
3.			☐		
4.			☐		
5.			☐		

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

None

Typical Evaluation Methods and Weighting

Final exam:	40%	Assignments:	%	Field experience:	%	Portfolio:	%
Midterm exam:	%	Project:	%	Practicum:	%	Other:	%
Quizzes/tests:	60%	Lab work:	%	Shop work:	%	Total:	100%

Details (if necessary):

6 quizzes and 1 final exam.

Typical Course Content and Topics

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