



COURSE IMPLEMENTATION DATE: September 2009
COURSE REVISED IMPLEMENTATION DATE: May 2013
COURSE TO BE REVIEWED: March 2016
(six years after UEC approval) (month, year)

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

Table with 3 columns: Course Name/Number (Math 052), Faculty/Department (Upgrading and University Preparation), UFV Credits (1.5), and Course Descriptive Title (Fundamental Math 1)

CALENDAR DESCRIPTION:

This is the first of four basic mathematics courses. At this beginning level, students will be introduced to number sense, four operations on whole numbers, and some geometric shapes and measurement units. Estimation and problem-solving will also be part of this course. Student learning issues such as "math anxiety" will be addressed through individual attention and a variety of instructional approaches.

PREREQUISITES: UUP Department permission (assessment may be required)
COREQUISITES:
PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: Math 051
(b) Cross-listed with:
(c) Cannot take: for further credit.

SERVICE COURSE TO: (department/program)

TOTAL HOURS PER TERM: 45

STRUCTURE OF HOURS table with rows for Lectures, Seminar, Laboratory, Field experience, Student directed learning, and Other (specify) with corresponding hours.

TRAINING DAY-BASED INSTRUCTION:

Length of course:
Hours per day:

OTHER:

Maximum enrolment: 24
Expected frequency of course offerings: Every semester
(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) [ ] Yes [X] No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) [ ] Yes [X] No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: [ ] Yes [X] No

Course designer(s): Leonne Beebe, Darlene Carson, Greg St. Hilaire, Judy Larsen, Barbara Stirskey,
Department Head: Trudy Archie
Supporting area consultation (Pre-UEC)
Curriculum Committee chair: Anna Kuczynska
Dean/Associate VP: Sue Brigden
Undergraduate Education Committee (UEC) approval
Date approved:
Date of meeting:
Date approved:
Date approved:
Date of meeting: April 26, 2013

**LEARNING OUTCOMES:**

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 practical problems.

Students will obtain the outcomes as described in the ABE Articulation Handbook [www.aved.gov.bc.ca/abe/docs/handbook.pdf](http://www.aved.gov.bc.ca/abe/docs/handbook.pdf), appropriate for level 1, 2, and 3.

**METHODS:** (*Guest lecturers, presentations, online instruction, field trips, etc.*)

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

**METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

- Examination(s)                       Portfolio assessment                       Interview(s)
- Other (specify):
- PLAR cannot be awarded for this course for the following reason(s): Not appropriate

**TEXTBOOKS, REFERENCES, MATERIALS:**

*[Textbook selection varies by instructor. An example of texts for this course might be:]*

Adult Fundamental Literacy Math Books 1, 2, and 3  
Hutchison, D, Berman, B, & Baratto, S. (2007) Prealgebra: An Integrated Equations Approach (2<sup>nd</sup> Edition). McGraw-Hill  
Ryerson  
Instructor-developed materials  
[www.mathzone.com](http://www.mathzone.com)

**SUPPLIES / MATERIALS:**

**STUDENT EVALUATION:**

*[An example of student evaluation for this course might be:]*

Chapter tests            60%  
Final exam            40%

**COURSE CONTENT:**

*[Course content varies by instructor. An example of course content might be:]*

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