



ORIGINAL COURSE IMPLEMENTATION DATE: September 2009
 REVISED COURSE IMPLEMENTATION DATE: January 2017
 COURSE TO BE REVIEWED: (six years after UEC approval) March 2022
 Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

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

Course Code and Number: MATH 063	Number of Credits: 1.5 Course credit policy (105)																
Course Full Title: Fundamental Math IV Course Short Title (if title exceeds 30 characters):																	
Faculty: Faculty of Access and Continuing Education	Department: Upgrading and University Preparation																
Calendar Description: The last of four basic mathematics courses introduces basic algebraic concepts, units of measurement, concepts of geometry, and statistical graphs, and encourages using critical thinking and setting further numeracy goals.																	
Prerequisites (or NONE):	MATH 062 or Upgrading and University Preparation department permission (assessment may be required).																
Corequisites (if applicable, or NONE):	NONE																
Pre/corequisites (if applicable, or NONE):	NONE																
Equivalent Courses (cannot be taken for additional credit) Former course code/number: MATH 061 Cross-listed with: NONE Equivalent course(s): NONE <i>Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.</i>	Transfer Credit Transfer credit already exists: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Transfer credit requested (OReg to submit to BCCAT): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (if yes, fill in transfer credit form) Resubmit revised outline for articulation: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No To find out how this course transfers, see bctransferguide.ca .																
Total Hours: 45 Typical structure of instructional hours: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture hours</td><td></td></tr> <tr><td>Seminars/tutorials/workshops</td><td></td></tr> <tr><td>Laboratory hours</td><td></td></tr> <tr><td>Field experience hours</td><td></td></tr> <tr><td>Experiential (practicum, internship, etc.)</td><td></td></tr> <tr><td>Online learning activities</td><td></td></tr> <tr><td>Other contact hours: Individual & small group work</td><td style="text-align: center;">45</td></tr> <tr><td style="text-align: right;">Total</td><td style="text-align: center;">45</td></tr> </table>	Lecture hours		Seminars/tutorials/workshops		Laboratory hours		Field experience hours		Experiential (practicum, internship, etc.)		Online learning activities		Other contact hours: Individual & small group work	45	Total	45	Special Topics Will the course be offered with different topics? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit <i>Note: The specific topic will be recorded when offered.</i> Maximum enrolment (for information only): 24 Expected frequency of course offerings (every semester, annually, every other year, etc.): every semester
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Total	45																
Department / Program Head or Director: Greg St. Hilaire	Date approved: February 5, 2016																
Faculty Council approval	Date approved: February 5, 2016																
Campus-Wide Consultation (CWC)	Date of posting: n/a																
Dean/Associate VP: Sue Brigden	Date approved: February 5, 2016																
Undergraduate Education Committee (UEC) approval	Date of meeting: March 18, 2016																

Learning Outcomes

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

1. Use order of operations to evaluate expressions involving exponents and absolute values
2. Translate sentences into equations
3. Use operations on integers
4. Solve application problems involving integers
5. Solve basic linear equations
6. Recognize, define, and convert basic metric and imperial units
7. Measure temperature, length, mass, and capacity using an appropriate measuring device
8. Calculate the perimeter, area, and volume of geometric shapes
9. Identify and obtain information from pictographs, bar graphs, histograms, line graphs, and circle graphs
10. Determine mean, median, and mode given a set of data

Prior Learning Assessment and Recognition (PLAR)

Yes No, PLAR cannot be awarded for this course because students are placed according to the Departmental Assessment.

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

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

Grading system: Letter Grades: Credit/No Credit: Labs to be scheduled independent of lecture hours: Yes No

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.	Hutchison, D, Berman, B, & Baratto,S.	Prealgebra: An Integrated Equations Approach	<input checked="" type="checkbox"/>	McGraw-Hill Ryerson	2013
2.			<input type="checkbox"/>		
3.			<input type="checkbox"/>		
4.			<input type="checkbox"/>		
5.			<input type="checkbox"/>		

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

Scientific Calculator

Typical Evaluation Methods and Weighting

Final exam:	30%	Assignments:	5%	Midterm exam:	%	Practicum:	%
Quizzes/tests:	60%	Lab work:	%	Field experience:	%	Shop work:	%
Other:	5%	Other:	%	Other:	%	Total:	100%

Details (if necessary): Weightings will vary with individual instructors, but assessment methods may include activities, quizzes, unit tests, and a final examination.

Typical Course Content and Topics

Module topics include:

Review of Exponents and Order of Operations

Integers (e.g. four operations on integers)

Basic Algebraic Concepts (e.g. introduction to solving equations)

Measurement (e.g. metric and imperial systems, metric and imperial conversions) Introduction to Geometry (e.g. perimeter, area, and volume of basic shapes and some composite figures)

Basic Statistical Concepts (e.g. mean, median, mode, bar graphs, line graphs, pie charts)