



## Math Skills – MATH 002

### Upgrading for Academic and Career Entry

### Course Outline

COURSE IMPLEMENTATION DATE: September 2008  
OUTLINE EFFECTIVE DATE: September 2022  
COURSE OUTLINE REVIEW DATE: March 2027

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#### GENERAL COURSE DESCRIPTION:

This course is designed strengthen intermediate level algebra skills. Topics will be tailored to the individual to address their current skill level, needs and goals. This course is intended for students who wish to refresh their math skills for future math courses, assessments or employment.

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**Program Information:** This course is a non-credit course designed to prepare students for formal math courses and assessments. Students may enroll in Math Skills 002 for up to 4 weeks. At the end of this time students will be placed in the appropriate course or be advised to write a formal assessment.

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**Delivery:** This course is delivered in a directed studies format.

**COTR Credits:** None

**Hours for this course:** Up to 15 hours/week to a maximum of 4 weeks = 60

#### Typical Structure of Instructional Hours:

Instructional Activity	Duration
Lecture Hours	
Seminars / Tutorials	
Laboratory / Studio Hours	
Practicum / Field Experience Hours	
Other Contact Hours	60
<b>Total</b>	60

#### Practicum Hours (if applicable):

Type of Practicum	Duration
On-the-job Experience	N/A
Formal Work Experience	N/A
Other	N/A
<b>Total</b>	N/A

Other Contact Hours:

- Guided Practice

**Course Outline Author or Contact:**

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Signature

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**APPROVAL SIGNATURES:**

Department Head

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Dean of Trades and Technology

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Department Head Signature

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Dean Signature

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Valid from: September 2022 - March 2027

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Education Council Approval Date

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**COURSE PREREQUISITES AND TRANSFER CREDIT:**

**Prerequisites:** None

**Corequisites:** None

**Flexible Assessment (FA):**

Credit can be awarded for this course through FA

Yes

No

**Transfer Credit:** For transfer information within British Columbia, Alberta and other institutions, please visit <http://www.cotr.bc.ca/Transfer>.

Students should also contact an academic advisor at the institution where they want transfer credit.

**Prior Course Number:** N/A

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## **Textbooks and Required Resources:**

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

Worksheets and handouts will be supplied.

*Please see the instructor's syllabus or check COTR's online text calculator <http://go.cotr.bc.ca/tuition/tCalc.asp> for a complete list of the currently required textbooks.*

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## **LEARNING OUTCOMES:**

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

- classify numbers;
  - perform operations with signed numbers and graph on a number line;
  - solve and graph linear equations;
  - simplify exponential expressions;
  - perform operations on radicals;
  - perform operations on polynomials;
  - perform operations on rational expressions;
  - solve rational equations;
  - factor polynomials;
  - solve right triangles; and
  - solve word problems.
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## **COURSE TOPICS:**

May include:

- Sets of numbers
- Signed numbers
- Exponents and scientific notation
- Radicals
- Linear equations (solving and graphing)
- Polynomials
- Rational expressions
- Trigonometry

*See instructor's syllabus for the detailed outline of weekly readings, activities and assignments.*

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## EVALUATION AND ASSESSMENT:

<b>Evaluation and Assessment:</b>
Course grades will be assigned as follows:  Math Skills 002 is a Non-credit Course. NCC will appear on student transcripts after 4 weeks. Exercises assigned in class will be marked in class for student information only.

*Please see the instructor's syllabus for specific classroom policies related to this course, such as details of evaluation, penalties for late assignments and use of electronic aids.*

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## EXAM POLICY:

Students must attend all required scheduled exams that make up a final grade at the appointed time and place.

Individual instructors may accommodate for illness or personal crisis. Additional accommodation will not be made unless a written request is sent to and approved by the appropriate Department Head prior to the scheduled exam.

Any student who misses a scheduled exam without approval will be given a grade of "0" for the exam.

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## ACADEMIC POLICIES:

See [www.cotr.bc.ca/policies](http://www.cotr.bc.ca/policies) for general college policies related to course activities, including grade appeals, cheating and plagiarism.

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## COURSE CHANGES:

Information contained in course outlines is correct at the time of publication. Content of the courses is revised on an ongoing basis to ensure relevance to changing educational, employment and marketing needs. The instructor endeavours to provide notice of changes to students as soon as possible. The instructor reserves the right to add or delete material from courses.