



## MATH-002 – Math Skills 2

### College Preparation and Upgrading

**Effective Term & Year:** Fall 2022

**Course Outline Review Date:** 2027-03-01

**Program Area:** Upgrading for Academic and Career Entry

#### 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.

#### 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.

**Delivery Methods:** Directed/Guided Studies

**Credit Type:** ABE Credits

**Credits:** 0

#### Instructional Activity and Hours:

Activity	Hours
Classroom, Directed Studies or Online Instruction	15 hours per week for a maximum of 4 weeks
Seminar/Tutorials	
Laboratory/Studio	
Practicum/Field Experience	
Co-op/Work Experience	

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Other

Total	60
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**Course Requisites:**

None

**Flexible Assessment:** No**Course Transfer Credit:**

For information about receiving transfer credit for courses taken at either British Columbia or Alberta institutions, please see <https://www.bctransferguide.ca/> or <https://transferalberta.alberta.ca> . For more transfer credit information, please visit <https://www.cotr.bc.ca/Transfer>

All requests for course transfer credit from institutions in British Columbia or elsewhere should go to the College of the Rockies Enrolment Services office.

**Textbook 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 <https://textbook.cotr.bc.ca/> for a complete list of the currently required textbooks.*

**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 Assessments**

**Pass requirements:** None

### **Evaluation Notes Comments:**

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.

### **Exam Attendance:**

Students must attend all scheduled exams at the appointed time and place. Instructors may approve an alternate exam to accommodate an illness or personal crisis. Department heads will consider other written requests. Any student who misses a scheduled exam without prior approval will receive a "0" on the exam.

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### **Academic Policies:**

College of the Rockies policies related to courses can be found at <https://cotr.bc.ca/about-us/college-policies/> and include the following:

- Policy 2.4.3 Students with Documented Disabilities
  - Policy 2.4.4 Student Conduct (plagiarism, other cheating, behavioral misconduct)
  - Policy 2.5.8 Academic Performance
  - Policy 2.5.3 Grade Appeal
  - Policy 2.4.9 Student Concerns Re Faculty
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### **Course Changes:**

The College of the Rockies updates course outlines regularly to meet changing educational, employment and marketing needs. The instructor will notify students in writing of any updates to this outline during the semester. The instructor reserves the right to revise, add or delete material while meeting the learning outcomes of this course outline.