**COLLEGE OF
THE ROCKIES**

MATH-001 – Math Skills 1

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 to strengthen arithmetic and introductory algebra skills which are a foundation for the study of algebra. 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 001 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	

Other	
Total	60

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 Columba 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:

Textbooks, worksheets and/or handouts will be supplied as needed.

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:

- perform operations with whole numbers, fractions, decimals, ratios, proportions, and percent;
- estimate answers to problems and check that answers are reasonable;

- manipulate formulas and evaluate expressions;
- solve linear equations;
- graph linear equations; and
- solve simple word problems.

Course Topics:

May include:

- Operations with whole numbers
- Order of operations
- Fraction – equivalent fractions
- Operations with fractions
- Rounding and place value
- Operations with decimals
- Ratios, proportions and percent
- Converting between fractions, decimals and percent
- Solving linear equations
- Word problems

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

Evaluation and Assessments

Pass requirements: None

Evaluation Notes Comments:

Course grades will be assigned as follows: Math Skills 001 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.

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

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.