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MATH 0621: Fundamentals of Mathematics 2

EFFECTIVE DATE

September 2021

DEPARTMENT

Basic Education

DESCRIPTION

MATH 0621 introduces students to skills, concepts, vocabulary, and problem solving strategies for working with whole numbers up to 1,000,000. Emphasis is placed on number sense, addition, subtraction, multiplication facts, making change, time, and perimeter. This course is the second of six levels of Basic Education Mathematics and will prepare students to meet personal, career, or further academic goals.

CREDITS

0.0

YEAR OF STUDY

Below Grade 10 Equivalency

PREREQUISITES

MATH 0300 Topics in Fundamental Mathematics

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Students will meet the learning outcomes for Adult Literacy Fundamental Mathematics Level 2 as stated in the most recent ABE Articulation Handbook: <https://www.bctransferguide.ca/search/abe>

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 35

Self-paced: 121

Other: 121

INSTRUCTIONAL STRATEGIES

This course will be taught in a self-paced, individualized format along with group instruction and problem-solving activities.

GRADING SYSTEM

Satisfactory/Unsatisfactory

PASSING GRADE

B-

EVALUATION PLAN

| Type | Percentage | Assessment activity |
|-------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assignments | 100 | <p>A mastery model of ongoing evaluation will be used. A student will have completed the course when they have demonstrated through satisfactory completion of assignments that the learning outcomes have been achieved. Progress will be monitored on a regular basis by the instructor in consultation with each student.</p> <p>All new students begin in Math 0300, which includes skills refreshment and a variety of assessments. It may be determined that they have already met some of the outcomes in their course. In this case, students will focus on the outcomes which still need to be achieved.</p> |

COURSE TOPICS

- Number Sense: Place value, expanded form, ordering numerals, rounding numbers up to 1,000,000
- Addition: Addition with and without carrying, estimating answers in addition
- Subtraction: Subtraction with borrowing, estimating answers in subtraction
- Problem-Solving: Addition problems, subtraction problems, mixed addition and subtraction problems, two-operation questions and problems
- Multiplication: Multiplication facts to 12; multiplying by 10, 100, and 1000; word problems; area
- Making Change
- Time: Telling time, converting between 12- and 24-hour clock time, adding and subtracting units of time
- Perimeter of squares and rectangles

LEARNING RESOURCES

Adult Literacy Fundamentals - Mathematics: Book 2

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

Broadway campus

1155 East Broadway
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Downtown campus

250 West Pender Street
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Annacis Island campus

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