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MATH 0641: Fundamentals of Mathematics 4

EFFECTIVE DATE

September 2021

DEPARTMENT

Basic Education

DESCRIPTION

MATH 0641 introduces students to skills, concepts, vocabulary, and problem solving strategies for working with decimal fractions. Emphasis is placed on number sense; addition, subtraction, multiplication, and division with decimal fractions; and converting measurements in the metric system. This course is the fourth 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 4 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 small group activities.

GRADING SYSTEM

Satisfactory/Unsatisfactory

PASSING GRADE

B-

EVALUATION PLAN

| Type | Percentage | Assessment activity |
|-------------|------------|---|
| Assignments | 100 | A mastery model of on-going 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. All new students begin in Math 0300, which includes skills refreshment and a number of low stakes 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. |

COURSE TOPICS

- Number sense: Reading and writing decimals, comparing decimals, ordering decimals, and rounding decimal fractions
- Addition and subtraction with decimal fractions (including bookkeeping)
- Multiplication and division with decimal fractions (including unit pricing)
- Measurement: Measuring length, mass, and volume; prefixes in the metric system; and converting measurements in the metric system

LEARNING RESOURCES

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
Vancouver, B.C. Canada
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Downtown campus

250 West Pender Street
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Annacis Island campus

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