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MATH 0661: Fundamentals of Mathematics 6

EFFECTIVE DATE

September 2021

DEPARTMENT

Basic Education

DESCRIPTION

MATH 0661 introduces students to skills, concepts, vocabulary, and problem solving strategies for working with ratio, proportion, and percent. Emphasis is placed on solving proportions; understanding the relationships between decimal fractions, common fractions, and percent; applying these concepts to real world situations; and interpreting graphs and tables. This course is the sixth of six levels of Basic Education Mathematics and will prepare students to meet personal, career, or further academic goals.

CREDITS

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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 6 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

Letter Grade (A-F)

PASSING GRADE

B-

EVALUATION PLAN

Type	Percentage	Assessment activity
Quizzes/Tests	50	Five unit tests
Final Exam	25	Level 6 Final Test
Assignments	15	General Review assignment on whole numbers, decimal fractions and common fractions
Participation	10	Includes attendance, punctuality, and work habits, as well as completion of class work, self-tests, corrections, and homework. 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

- Ratios, rates, and proportions
- Reading, writing and finding percents
- Converting between decimal fractions, common fractions, and percents
- Evaluating increases, decreases, discounts, mark ups, commission, tips, and school grades
- Statistics: Interpreting line graphs, bar graphs, picture graphs, circle graphs, histograms, and tables

LEARNING RESOURCES

Adult Literacy Fundamentals - Mathematics: Book 6

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
Vancouver, B.C. Canada
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Annacis Island campus

1608 Cliveden Avenue
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