CAPILANO
U N I V E R S I T Y

COURSE OUTLINE

TERM: Fall, 2014	COURSE NO: CDMA 004
INSTRUCTORS:	COURSE NAME: CDO Math Fundamental 4
OFFICE:	SECTION NO: COURSE CREDITS: 1.0

COURSE FORMAT: This course is offered in blocks of 2 hours per week. This course can be offered in a paced or self-paced format.

PREREQUISITE: CDO math assessment

RECOMMENDED FOLLOW-UP COURSES: CDMF 005

LEARNING OUTCOMES: **Students will demonstrate the ability to:**

- Apply logical thinking to math operations.
- Independently track progress and set learning goals,
- Manage time to complete assignments in and out of class.
- Give and receive help in a respectful manner.
- Use a variety of test taking strategies.
- Use critical thinking skills.
- Manage frustrations of learning.
- Explain or use examples of keywords: Decimal, decimal place value (ths), per, of, by.
- Identify decimals as part of a whole.
- Read and write decimals to 10 000ths.
- Round decimals to a given place.
- Add decimals.
- Subtract decimals.
- Multiply decimals by whole numbers.

- Multiply decimals by decimals.
- Divide decimals by whole numbers.
- Divide decimals by decimals.
- Divide whole numbers by decimals.
- Apply decimals to multi-operation problems.
- Use the number line to order and compare Identify place value to 10 000ths.
- Compare decimal in order of place value.
- Multiply decimals by 10;100;1000 Divide decimals by 10;100;1000.
- Write a cheque and record transactions.
- Calculate unit price.
- Use unit price to find the best buy.
- Calculate expenses (phone, utilities, and groceries).
- Convert between dollars and cents.
- Apply addition of decimals in word problems.
- Apply subtraction of decimals in word problems.
- Apply multiplication of decimals in word problems.
- Apply division of decimals in word problems.
- Apply decimal to multi-operation word problems.
- Explain, using an example, length.
- Explain, using an example, mass.
- Explain, using an example, capacity.
- Explain, using an example, temperature.
- Convert measurements within the metric system using a conversion chart.
- Convert measurements within the imperial system.
- Measure length using an appropriate metric measuring device.
- Measure length using an appropriate imperial measuring device.
- Measure mass using an appropriate metric measuring device.
- Measure mass using an appropriate imperial measuring device.
- Measure capacity using an appropriate metric measuring device.
- Measure capacity using an appropriate imperial measuring device.
- Measure temperature using an appropriate metric measuring device.
- Measure temperature using an appropriate imperial measuring device.
- Add same metric units.
- Add same imperial units.
- Subtract same metric units.

- Subtract same imperial units.
- Use metric conversion without a conversion chart.
- Add mixed metric units.
- Subtract mixed metric units.
- Add mixed imperial units.
- Subtract mixed imperial units.
- Calculate perimeter and area of squares and rectangles with decimals.

REQUIRED TEXT: Girard, Liz and Wendy Tagami. *Adult Literacy Fundamental Mathematics Book 4.* Victoria BC: British Columbia Ministry of Advanced Education and Labour Market Development, Queen's Printer, 2010. Print.

COURSE CONTENT:

Unit	Topic
1.	• Working with Decimals
2.	• Adding & Subtracting Decimals
3.	• Multiplying Decimals
4.	• Dividing Decimals
5.	• Using Decimals in Real Life
6.	• Measurement

COURSE NOTES: CDO Math Fundamental 4 is equivalent to Capilano's ABE Fundamental Mathematics 4 (BMAF 004)

EVALUATION PROFILE: Credit will be determined by evaluation as follows:

Unit 1   13%   Working with Decimals

Unit 2   13%   Adding & Subtracting Decimals

Unit 3   13%   Multiplying Decimals

Unit 4   13%   Dividing Decimals

Unit 5	13%	Using Decimals in Real Life
Unit 6	13%	Measurement
Final Exam	<u>22%</u>	
Total	100%	

GRADING PROFILE: Credit/No Credit

CR (Credit)	80-100%
NC (No Credit)	0-79%

OPERATIONAL DETAILS:

University Policies: Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Cheating and Plagiarism, Academic Probation and other educational issues. These and other policies are available on the University website.

Attendance: Students who will be absent for any reason should leave a voice or email message for their instructor ***prior*** to the start of class.

Cheating/Plagiarism: All forms of cheating including plagiarism are serious offences. The instructor has the right to assign a "0" on the assignment or a grade of "NC" on the course. A second offence in any course may result in expulsion from the program

Computer use policies: The misuse of a computer system (such as unauthorized access to other computer accounts or unauthorized use of system software) is not only unfair to other students but can result, at the instructor's discretion, in suspension of the offender's computer access in a course, which may result in an "NC" grade. Repeated offences may result in a permanent revoking of all computer privileges.

Emergency Procedures: Please read the emergency procedures posted on the wall of the classroom.