



COURSE OUTLINE

TERM: Fall 2014	COURSE NO: CDMA 001
INSTRUCTOR(S):	COURSE NAME: CDO Math Fundamental 1
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 002

LEARNING OUTCOMES: Students will demonstrate the ability to:

- Apply logical thinking to math operations.
- Use critical thinking skills.
- Give and receive help in a respectful manner.
- Organize work, with help, for easy access.
- Work independently for short periods of time.
- Receive feedback and respond appropriately.
- Identify personal short-term math goals.
- Ask for help appropriately.
- Recognize personal learning strengths.
- Recognize math anxiety.
- Use strategies to manage math anxiety.
- Locate information in a text book with help.
- Manage frustrations of learning.
- Explain or use examples of keywords: digit, place value, rounding, estimating, greater than, less than, equal, not equal, odd, even, zero, horizontal, vertical, operation, sum, difference, addition, subtraction, increase, decrease.
- Identify place value to 100.
- Recognize vertical and horizontal format for adding and subtracting.
- Read and write digits 0 to 9.
- Count to 100.
- Read and write whole numbers to 100.
- Compare and order whole numbers to 100.
- Add whole numbers whose sum is 20 or less without carrying
- Subtract whole numbers that are 20 or less, without borrowing/trading in.

- Round whole numbers to the nearest 10.
- Use and apply patterns (shapes, letter and numbers).
- Count by 2's; 5's; 10's; up to 100.
- Recognize coins and their values.
- Show the relationship between manipulatives and numbers to 20.
- Estimate (ex. —It takes me about an hour to get to work in the morning).
- Use estimation in situations such as transportation and time management (ex. estimating commuting time per day).
- Apply addition (to 20) to one step word problems in real life situations.
- Apply subtraction (20 or less) to one step word problems in real life situations.
- Explain or use examples of keywords:
Rectangle, square, triangle, circle, perimeter .
- Identify rectangle, square, triangle, circle.
- Recognize am/pm clock notation.
- Recognize common base time units and their relationship to each other (seconds to minutes, etc).

REQUIRED TEXT:

Girard, Liz and Wendy Tagami. *Adult Literacy Fundamental Mathematics Book 1*. Victoria BC: British Columbia Ministry of Advanced Education and Labour Market Development. Queen's Printer, 2010. Print.

COURSE CONTENT:

Unit	Topic
1.	• Number sense
2.	• Addition
3.	• Subtraction
4.	• Estimating, Time and Shapes

COURSE NOTES:

CDO Math Fundamental 1 is equivalent to Capilano's ABE Fundamental Mathematics 1 (BMAF 001)

EVALUATION PROFILE:

Credit will be determined by evaluation as follows:

Unit 1	20%	Number sense
Unit 2	20%	Addition
Unit 3	20%	Subtraction
Unit 4	20%	Estimating, Time and Shapes
Final Exam	<u>20%</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 grades), 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.

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.

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.

Emergency Procedures:

Please read the emergency procedures posted on the wall of the classroom.