



## COURSE OUTLINE

<b>TERM:</b> Fall, 2014	<b>COURSE NO:</b> CDMA 006
<b>INSTRUCTOR(S):</b>	<b>COURSE NAME:</b> CDO Math Fundamental 6
<b>OFFICE:</b>	<b>SECTION NO:</b> <b>COURSE CREDITS:</b> 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:** BMTH 033

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

- Set further numeracy goals.
- Use critical thinking skills.
- Build math confidence.
- Move on to other tasks while waiting for help.
- Write tests in a variety of formats.
- Locate and correct errors.
- Use strategies to manage test-taking anxiety.
- Manage frustrations of learning.
- Apply logical thinking to math operations.
- Explain or use examples of keywords:
  - Ratio & Proportion: ratio, rate, proportion
  - Percent: percent, of, commission, tax, discount, simple interest.
  - Compare fractions, decimals and percents.
- Write the relationship between two numbers or quantities as a ratio.

- Write the relationship between two numbers or quantities with different units as a rate.
- Write proportion as a statement of equivalence between two ratios.
- Determine if a proportion is true using both common denominators & cross multiplying.
- Solve a proportion for a missing term.
- Convert a decimal to a percent.
- Convert a percent to a decimal.
- Convert a fraction to a percent.
- Convert a percent to a fraction.
- Find a percent of a number.
- Find what percent one number is of another.
- Find a number when a percent is given.
- Apply ratio and proportion to solve problems involving real-life situations including percent increase and decrease.
- Read and obtain information from a bar graph.
- Read and obtain information from a line graph.
- Read and obtain information from a circle graph.
- Read and obtain information from a table.
- Recognize percent notation as a denominator of 100.
- Express the relationship between two numbers as a percent.
- Estimate percentages (mental shopping).
- Calculate discounts on purchases.
- Calculate tips on service.
- Calculate tax.
- Calculate wage increase.
- Calculate budget.
- Explain or show with examples: the different elements of a graph.
- Identify bar graph.
- Identify line graph.
- Identify circle graph.
- Identify pictograph.
- Identify histogram.

**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:**

<b>Unit</b>	<b>Topic</b>
1.	• Ratio, Rate & Proportion
2.	• Percent
3.	• Working with Percent
4.	• More working with Percent
5.	• Statistics

**COURSE NOTES:**

CDO Math Fundamental 6 is equivalent to Capilano's ABE Fundamental Mathematics 6 (BMAF 006)

**EVALUATION PROFILE:**

Credit will be determined by evaluation as follows:

Unit 1	20%	Ratio, Rate & Proportion
Unit 2	20%	Percent
Unit 3	20%	Working with Percent
Unit 4	20%	More working with Percent
Unit 5	<u>20%</u>	Statistics
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.

***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.