

COURSE OUTLINE

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| TERM: Fall 2014 | COURSE NO: CDMA 003 |
| INSTRUCTOR(S): | COURSE NAME: CDO Math Fundamental 3 |
| 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:

CDMA 004

LEARNING OUTCOMES:

Students will demonstrate the ability to:

- Apply logical thinking to math operations.
- Work independently.
- Ask for help.
- Receive and respond to feedback.
- Manage time to complete assignments in and out of class.
- Recognize personal learning strengths and styles.
- Use an answer key to mark and self-assess.
- Locate information in a textbook.
- Develop a variety of test taking strategies.
- Check that the question was accurately transferred.
- Organize computation effectively.
- Set learning goals to 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: quotient, remainder, dividend, divisor, division, divide, go into, by, factors.
- Multiply whole numbers with carrying.
- Estimate products.
- Memorize division facts.
- Divide whole numbers without remainder.
- Divide whole numbers with remainder.
- Check a division question using multiplication.

- Estimate quotients.
- Check multiplication with division.
- Recognize the relationship between multiplication and division.
- Divide whole numbers by 10's ; 100's; 1000's Determine a number's divisibility by 2; 3; 5; and 9.
- Demonstrate division by regrouping.
- Make change up to \$100.
- Apply multiplication to real life situations.
- Apply multiplication to solve multi-step word problems reflecting real life situations.
- Use manipulatives to explain division.
- Solve division word problems reflecting real life situations.
- Solve multi-operation word problems.
- Calculate unit prices using whole numbers.
- Calculate best buy using whole numbers.
- Explain or use examples of keywords: basic prefixes of metric system.
- Recognize basic metric units.
- Define basic prefixes of metric system.
- Explain or use examples of keywords: area.
- Calculate area of a square.
- Calculate area of a rectangle.
- Compare and contrast perimeter and area informally, using a drawing or shape.

REQUIRED TEXT:

Girard, Liz and Wendy Tagami. *Adult Literacy Fundamental Mathematics Book 3*. 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. | • Multiplication |
| 3. | • Division |
| 4. | • Change, Time and the Metric System |

COURSE NOTES:

CDO Math Fundamental 3 is equivalent to Capilano's ABE Fundamental Mathematics 3 (BMAF 003)

EVALUATION PROFILE:

Credit will be determined by evaluation as follows:

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|------------|------------|------------------------------------|
| Unit 1 | 5% | Number sense |
| Unit 2 | 25% | Multiplication |
| Unit 3 | 25% | Division |
| Unit 4 | 25% | Change, Time and the Metric System |
| 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.