CAPILANO UNIVERSITY

COURSE OUTLINE

TERM: FALL 2012	**COURSE NO.**: BMAF 006
INSTRUCTOR:	**COURSE NAME**: ABE Fundamental Mathematics 6
OFFICE:	**SECTION NO.**:
	COURSE CREDITS: 1.0

COURSE FORMAT: Self-paced; 1.5 hours in class and 1.5 hours other mode of delivery such as tutorial in the Developmental Studies Learning Lab or on-line using Moodle. This is a self-paced course; students may complete this course in less or more than 15 weeks.

PREREQUISITE: ABE math assessment.

RECOMMENDED FOLLOW-UP COURSES: BMTH 033

LEARNING OUTCOMES*:*

- 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
- Recognize percent notation as a denominator of 100
- Express the relationship between two numbers as a percent
- Calculate discounts on purchases
- Calculate tips on service
- Calculate tax
- Calculate wage increase
- Calculate budget
- Apply logical thinking to math operations

REQUIRED TEXT: British Columbia. Ministry of Advanced Education and Labour Market Development. *Adult Literacy Fundamental Mathematics Book 6* by Liz Girard and Wendy Tagami. Victoria, BC: Queen's Printer, 2010. Print.

COURSE CONTENT: Unit 1 Ratio, Rate & Proportion
                             Unit 2 Percent
                             Unit 3 Working with Percent
                             Unit 4 More working with Percent
                             Unit 5 Statistics

EVALUATION PROFILE:

Credit will be given to students who demonstrate functional mathematical skills at the ABE Fundamental Mathematics 6 level, which is articulated in the *Adult Basic Education British Columbia's Public Post Secondary Institution Articulation Handbook.*

Credit will be determined by evaluation as follows:

Unit 1	16%	Ratio, Rate & Proportion
Unit 2	16%	Percent
Unit 3	16%	Working with Percent
Unit 4	16%	More working with Percent
Unit 5	16%	Statistics
Final Exam	20%	
Total	100%	

GRADING PROFILE: CREDIT/NO CREDIT (Students must achieve 80% for credit)

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. ABE department policy is to place students attending less than 75% of classes in a subject on a "non-attendance list". Students on the non-attendance list register last (after all other students have registered).

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.