



COURSE OUTLINE

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| TERM: Spring 2018 | COURSE NO. ABST 098 |
| INSTRUCTORS: | COURSE NAME: Foundations in Quantitative Reasoning |
| COURSE CREDITS: 3.0 | SECTION NO(S): |

COURSE FORMAT:

4 instructional hours per week. 3 hours scheduled in the classroom and 1 fourth hour delivered in a variety of ways, which may include small group meetings with faculty, field trips, guest speakers, Aboriginal story-tellings, on-line instruction, or tutorials.

PREREQUISITES:

None

COREQUISITES:

MATH 123

COURSE DESCRIPTION:

ABST 098 primes the quantitative reasoning and problem solving skills necessary for post-secondary success. Students will have the opportunity to review and master the skills and concepts in basic mathematics.

This course employs a critical pedagogy and delivery that integrates talking circles and dialogues, Aboriginal story-tellers, and collaborative and experiential learning activities supported by Aboriginal guest speakers and Elders.

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to

- Apply problem solving strategies for a wide range of mathematical problems;
- Apply the skills to complete basic operations with whole numbers, fractions, and decimals;
- Write ratios and solve proportions;
- Convert between fractions, decimals, and percents;
- Evaluate exponents and square roots;
- Perform calculations related to pie charts, bar graphs, and line graphs; and
- Solve linear equations in one variable.

REQUIRED TEXTS:

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RECOMMENDED READINGS:

As recommended by instructor.

EVALUATION PROFILE:

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| Projects, quizzes, in-class assignments, take-home assignments | 30% |
| Term Tests (3 @ 20% each) | 60% |
| Participation | 10% |
| Total | 100% |

GRADING PROFILE:

The instructor will describe expectations for each assignment as the due date approaches. Students will be given a letter grade for each assignment and upon completion of the course, corresponding to the table below:

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| A+ | 90-100% | B+ | 77-79% | C+ | 67-69% | D | 50-59% |
| A | 85-89% | B | 73-76% | C | 63-66% | F | 0-49% |
| A- | 80-84% | B- | 70-72% | C- | 60-62% | | |

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: Regular attendance is essential. If classes are missed, it is the student's responsibility to become aware of all information given out in the classes and tutorials, including times of examinations and assignment deadlines.

Participation: The grade for the participation component of the course is based on both the frequency and the quality of the student's comments, questions, and observations, with the emphasis on quality. The quality is determined by, among other things, the relevance, insight, and clarity of remarks.

Late Assignments: Late assignment will only be accepted if prior approval for a late submission date has been given by the instructor.

Marks will be deducted for the late submission of assignment. The penalty for the late submission of an assignment is 10% per week.

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 "F" on the course. A second offence in any course may result in expulsion from the program. All students should familiarize themselves with the University Policy on Cheating and Plagiarism as such behaviour can result in suspension from the University.

Grades of Incomplete "I": Grades of Incomplete "I" will be granted only if there is a valid reason for extending the evaluation deadline and if students have a reasonable chance of improving their grade to pass the course.

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