MATHEMATICS 30-2
MAT3792
5 Credit Course

Course Overview	This course sequence is designed to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies in programs that do not require the study of calculus. Topics include geometry, measurement, number and logic, logical reasoning, relations and functions, statistics, and probability.
Prerequisite	*Please refer to Alberta Education's Provincially Authorized Senior High School Courses and Course Codes Document*
Required Materials & Resources	• Eight Modules and Eight Assignment Books • Textbook – Principles of Mathematics 12 (Nelson) • Graphing scientific calculator
Learning Outcomes	***The student will develop:*** A. logical reasoning B. critical thinking skills related to uncertainty C. algebraic and graphical reasoning through the study of relations D. an appreciation of the role of mathematics in society
Note	***Within Alternative Education all teachers are required to follow a common course outline and gradebook set up.***
Assessment	The student's grade is determined by the knowledge the student has acquired based on the program of studies and the skills the student is able to show in articulating his or her knowledge. The student's grade will be calculated based on the following: *(70% of the school grade will be combined with 30% of the diploma exam grade to calculate an overall final grade)* **Coursework –25%** **Quizzes – 25%** **Midterm – 25%** **Final Exam – 25%**
Topics of Study	**MODULE TITLE** **1** *Set Theory* **2** *Counting Methods* **3** *Probability* **4** *Rational Expressions* **5** *Polynomial Functions* **6** *Exponential Functions* **7** *Logarithmic Functions* **8** *Sinusoidal Functions*
An Important Note About Assessment	A wide range of assessment information is used in the development of a student's final grade. Within Alternative Education, individualized assessments provide specific information regarding student progress and overall performance in the course. Student assessments may vary from student to student to adapt to differences in student needs, learning styles, preferences and paces. The teacher will apply best teaching practices to determine appropriate assessment.

TEACHER'S CONTACT INFORMATION:

Teacher's Name:	
Teacher's Phone Number:	
Teacher's Email Address:	