MATHEMATICS 30-1
MAT3791
5 Credit Course

Course Overview	Math 30-1 is for students who wish to study mathematics or sciences at a university, college, or technical institute and continue to a related career. It is for students who plan to enter into post-secondary programs such as engineering, mathematics, sciences, or some business studies. It is a co-requisite for Math 31
Prerequisite	*Please refer to Alberta Education's Provincially Authorized Senior High School Courses and Course Codes Document*
Required Materials & Resources	• Seven Modules and Seven Assignment Books • Textbook – Pre-Calculus 12 (McGraw-Hill Ryerson) • Graphing scientific calculator
Learning Outcomes	*The student will develop:* A. trigonometric reasoning B. algebraic and graphical reasoning through the study of relations C. Algebraic and numeric reasoning that involves combinatorics
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: *(90% of the school grade will be combined with 10% 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** *Course Introduction and Functions* **2** *Trigonometry* **3** *Transformations* **4** *Logarithms* **5** *Function Operations* **6** *Permutations, Combinations and Binomial Theorem*
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:	