



MATHEMATICS 10C

MAT1791

5 Credit Course

<p>Course Overview</p>	<p>The 'C' stands for 'combined' – it is the starting point for both the Mathematics-1 and Mathematics-2 course sequences. Students who are not sure which course sequence they want to follow right out of junior high take Mathematics 10C and then choose which path they want to take, Mathematics 20-1 or Mathematics 20-2, in Grade 11.</p> <p>This allows students more time and more resources, before they have to make a decision about which course sequence to pursue. It is designed to provide the student opportunities to switch sequences based on changes in his or her educational and career goals.</p>																		
<p>Prerequisite</p>	<p><i>Please refer to Alberta Education's Provincially Authorized Senior High School Courses and Course Codes Document</i></p>																		
<p>Required Materials & Resources</p>	<ul style="list-style-type: none"> • Eight Modules and Eight Assignment Books • Mathematics 10 Text – McGraw-Hill Ryerson • Texas Instruments graphing calculator (Discuss with teacher prior to purchasing) 																		
<p>Learning Outcomes</p>	<p><i>The student will develop:</i></p> <ul style="list-style-type: none"> A. spatial sense and proportional reasoning B. algebraic reasoning and number sense C. algebraic and graphical reasoning through the study of relations 																		
<p>Note</p>	<p><i>Within Alternative Education all teachers are required to follow a common course outline and gradebook set up.</i></p>																		
<p>Assessment</p>	<p>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.</p> <p>The student's grade will be calculated based on the following:</p> <p>Coursework –25%</p> <p>Quizzes – 25%</p> <p>Midterm – 25%</p> <p>Final Exam – 25%</p>																		
<p>Topics of Study</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">MODULE</th> <th style="text-align: left;">TITLE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><i>Measurement</i></td> </tr> <tr> <td>2</td> <td><i>Surface Area & Volume</i></td> </tr> <tr> <td>3</td> <td><i>Trigonometry</i></td> </tr> <tr> <td>4</td> <td><i>Exponents and Radicals</i></td> </tr> <tr> <td>5</td> <td><i>Polynomials</i></td> </tr> <tr> <td>6</td> <td><i>Functions and Relations</i></td> </tr> <tr> <td>7</td> <td><i>Linear Equations</i></td> </tr> <tr> <td>8</td> <td><i>Linear Systems</i></td> </tr> </tbody> </table>	MODULE	TITLE	1	<i>Measurement</i>	2	<i>Surface Area & Volume</i>	3	<i>Trigonometry</i>	4	<i>Exponents and Radicals</i>	5	<i>Polynomials</i>	6	<i>Functions and Relations</i>	7	<i>Linear Equations</i>	8	<i>Linear Systems</i>
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<p>An Important Note About Assessment</p>	<p>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.</p>																		

TEACHER'S CONTACT INFORMATION:

Teacher's Name:	
Teacher's Phone Number:	

Teacher's Email Address: