

<b>Course Overview</b>	Chemistry 20 is composed of four units of study: A. The Diversity of Matter and Chemical Bonding B. Forms of Matter: Gases C. Matter as Solutions, Acids and Bases D. Quantitative Relationships in Chemical Changes																
<b>Prerequisite</b>	<i>Please refer to Alberta Education's Provincially Authorized Senior High School Courses and Course Codes Document</i>																
<b>Required Materials &amp; Resources</b>	<ul style="list-style-type: none"> <li>• Seven Modules and Seven Assignment Books</li> <li>• Nelson Chemistry Alberta 20-30 (2007) Textbook</li> <li>• Chemistry 20 ECSD data booklet</li> <li>• Scientific Calculator</li> </ul>																
<b>Learning Outcomes</b>	<p><b>The student will:</b></p> <ul style="list-style-type: none"> <li>A. describe the role of modelling, evidence and theory in explaining and understanding the structure, chemical bonding and properties of ionic compounds</li> <li>B. describe the role of modelling, evidence and theory in explaining and understanding the structure, chemical bonding and properties of molecular substances</li> <li>C. explain molecular behaviour, using models of the gaseous state of matter</li> <li>D. investigate solutions, describing their physical and chemical properties</li> <li>E. describe acidic and basic solutions qualitatively and quantitatively</li> <li>F. explain how balanced chemical equations indicate the quantitative relationships between reactants and products involved in chemical changes</li> <li>G. use stoichiometry in quantitative analysis</li> </ul>																
<b>Note</b>	<b><i>Within Alternative Education all teachers are required to follow a common course outline and gradebook set up.</i></b>																
<b>Assessment</b>	<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><b>Coursework –25%</b></p> <p><b>Quizzes– 25%</b></p> <p><b>Midterm – 25%</b></p> <p><b>Final Exam – 25%</b></p>																
<b>Topics of Study</b>	<table border="1"> <thead> <tr> <th>MODULE</th> <th>TITLE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><i>Chemical Foundations</i></td> </tr> <tr> <td>2</td> <td><i>Chemical Bonding</i></td> </tr> <tr> <td>3</td> <td><i>Behaviour of Gases</i></td> </tr> <tr> <td>4</td> <td><i>Solutions</i></td> </tr> <tr> <td>5</td> <td><i>Acids and Bases</i></td> </tr> <tr> <td>6</td> <td><i>Stoichiometry</i></td> </tr> <tr> <td>7</td> <td><i>Analytical Chemistry</i></td> </tr> </tbody> </table>	MODULE	TITLE	1	<i>Chemical Foundations</i>	2	<i>Chemical Bonding</i>	3	<i>Behaviour of Gases</i>	4	<i>Solutions</i>	5	<i>Acids and Bases</i>	6	<i>Stoichiometry</i>	7	<i>Analytical Chemistry</i>
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<b>An Important Note About Assessment</b>	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.																

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**TEACHER'S CONTACT INFORMATION:**

<b>Teacher's Name:</b>	
<b>Teacher's Phone Number:</b>	
<b>Teacher's Email Address:</b>	