



<b>Course Number</b> <b>Course Name</b>	<b>CHEM 110 INTRODUCTION TO CHEMISTRY</b>
<b>Credit Value</b> <b>(Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	Introductory course to prepare students with no high school chemistry for college level chemistry courses and to familiarize students in health occupations programs with basic concepts of inorganic, organic, and biochemistry in physiology and medicine. <i>Prerequisite:</i> MATH 102N and ENG 109N; <i>Co-requisite:</i> CHEM 110L. (3, 3T+0L). Meets New Mexico Lower Division General Education Core Curriculum Area III Laboratory Science (NMCCN CHEM 1114 with lab)
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<ol style="list-style-type: none"> <li>1. Define and explain basic chemical terms, principles and concepts.</li> <li>2. Recognize simple compounds.</li> <li>3. Utilize the scientific method to analyze arguments.</li> <li>4. Interpret information from data presented in charts, graphs, tables and spreadsheets.</li> <li>5. Balance chemical and nuclear reactions and solve simple stoichiometry problems.</li> <li>6. Analyze the quality of an argument provided in support of a position.</li> <li>7. Identify reliable government and scientific websites for accessing data relevant to current local, national and international issues.</li> <li>8. Understand and explain the basic chemistry behind and major issues of debate concerning topics such as air and water quality, global climate change, use of fossil fuels, nuclear power, and alternative energy sources.</li> </ol>
<b>College-Wide Student Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1. <i>Critical Thought</i> <i>Students will be assessed of their critical thinking through assignments related to solving of chemical reactions.</i></li> </ol>