



## SYLLABUS TEMPLATE

<b>Course Number Course Name</b>	<b>CHEM 210 INTEGRATED ORGANIC &amp; BIOCHEMISTRY</b>
<b>Credit Value (Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Course Description</b>	Introductory course designed to meet the entrance requirements in chemistry for students in allied-health fields in which some knowledge of organic chemistry and bio-chemistry is needed.
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<ol style="list-style-type: none"> <li>1. Identify and name basic organic compounds.</li> <li>2. Construct/draw organic compounds from the names.</li> <li>3. Predict the products of certain organic chemical reactions from reagents and conditions presented.</li> <li>4. Recognize and name the four basic bioorganic units and certain of their derivatives and macromolecules.</li> <li>5. Compare and contrast the function and location of the four bioorganic units and their macromolecules and cofactors.</li> <li>6. Draw/recognize stereochemistry and explain its relevance to bioorganic molecules.</li> <li>7. Discuss the pathways and functions of some of the cellular metabolic processes.</li> <li>8. Recognize and describe metabolic cellular processes and macromolecular structure with respect to health and/or disease states.</li> </ol>
<b>College-Wide Student Learning Outcomes</b>	<ol style="list-style-type: none"> <li>1. <i>Communication</i> <i>Communication will be assessed with a class presentation related to organic compounds.</i></li> </ol>