

<b>Course Name</b>	Basic Science 2							
<b>Course Information</b>	<b>Course Code</b>	<b>Course No.</b>	<b>Course Level</b>	<b>Credit Hours</b>	<b>Weekly contact hours</b>	<b>Prerequisite(s)</b>		
	2417-305	305	Preparatory Year	2	4	-		
<b>Course Track</b>	<input type="checkbox"/> University Requirement <input checked="" type="checkbox"/> College Requirement <input type="checkbox"/> Specialized Core <input type="checkbox"/> Electives							
<b>Course Description:</b>								
<p>Basic Science 2 introduces basic concepts and key ideas while providing opportunities to learn reasoning skills and a new way of thinking about our environment. No prior work in science is assumed. It is substantial introduction to the fundamental behavior of matter and energy.</p> <p>Our primary objective in this course is to build a good foundation in chemical knowledge that allows us to make qualitative and quantitative inquiries into topics in natural science. We will also demonstrate how these topics can be applied to the scientific method and how observation and experimentation leads us to the development of scientific theories.</p>								
<b>Course Outcomes:</b>								
<ul style="list-style-type: none"> <li>• Recognize subatomic particles and the atomic structure.</li> <li>• Explain how atoms bond and chemicals react</li> <li>• Review basic concepts in organic and medicinal chemistry</li> <li>• Recognize how molecules mix.</li> <li>• Differentiate between acids and bases and their properties.</li> <li>• Solve simple chemical calculations.</li> </ul>								
<b>Assessment Policy</b>	<b>Assignment</b>	10%	<b>Quiz</b>	15%	<b>Lab (Virtual lab)</b>	---%	<b>Project</b>	10%
	<b>Midterm</b>	25%	<b>Final</b>	40%	<b>Others</b>	---%		
<b>Textbook</b>	Conceptual Chemistry, 6 <sup>th</sup> edition. By: John Suchocki. Pearson. 2018, A custom edition for: Basic Sciences Department, Preparatory Year Deanship, King Faisal University ( Custom edition + Access code) ISBN: 9780136054535							
<b>References</b>	<ol style="list-style-type: none"> <li>1. Chemistry, 12th edition. By: R. Chang. McGraw-Hill. 2015.</li> <li>2. Conceptual Physical Science Explorations, 6th edition. By: Hewitt, Suchocki, and Hewitt. Pearson Addison- Wesley, San Francisco, CA. 2016</li> </ol>							

