

Course Name	Basic Science 2							
Course Information	Course Code	Course No.	Course Level	Credit Hours	Prerequisite(s)			
	2417-305	305	Preparatory Year	2	—			
Course Track	<input type="checkbox"/> University Requirement <input checked="" type="checkbox"/> College Requirement <input type="checkbox"/> Specialized Core <input type="checkbox"/> Electives							
Course Description: 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. 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.								
Course Outcomes: <ul style="list-style-type: none"> • Recognize subatomic particles and the atomic structure. • Explain how atoms bond and chemicals react • Review basic concepts in organic and medicinal chemistry • Recognize how molecules mix. • Differentiate between acids and bases and their properties. • Solve simple chemical calculations. 								
Assessment Policy	Assignment	10%	Quiz	15%	Lab (Virtual lab)	---%	Project	10%
	Midterm	25%	Final	40%	Others	---%		
Textbook	Conceptual Chemistry, 6 th 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							
References	1. Chemistry, 12th edition. By: R. Chang. McGraw-Hill. 2015. 2. Conceptual Physical Science Explorations, 6th edition. By: Hewitt, Suchocki, and Hewitt. Pearson Addison- Wesley, San Francisco, CA. 2016							

