

Course Title: Introduction to Environmental Chemistry			
Course code: UES 106	No. of credits: 3	L-T-P: 39-06-0	Learning hours: 45
L: Lectures; T: Tutorials; P: Practicals			
Pre-requisite course code and title (if any): None			
Department: Natural and Applied Sciences			
Course coordinator:		Course instructor:	
Contact details:			
Course type: Major		Course offered in: Semester 1	
<p>Course Description</p> <p>The course is about understanding the basic concepts of chemistry. The students would learn the basics of physical, inorganic, and organic chemistry and would accordingly develop the understanding of these concepts in relation to environment. The reactions, processes that govern the chemical nature of our environment and the anthropogenic contaminants that lead to environmental disasters the effects, reactions, and origins of chemicals in the air, water, earth and living environments. It gives a brief background and overview of chemistry in the environment and then covers a more detailed and in-depth topics within each component of the environment. The course describes the chemistry of the atmosphere, hydrosphere and lithosphere and related environmental issues. Specifically, we will examine the sources, reactions, effects, and fates of chemical species found in air, water and soil followed by getting insights of major environmental disasters around the world</p>			
<p>Course objectives</p> <ul style="list-style-type: none"> • Outline the basic concepts of inorganic, organic and physical chemistry in relation to environment • Understanding the chemical basis behind the range of environmental processes in air, water, and soil. • Gain understanding of major environmental disasters around the world 			