

Course Title: Earth System Sciences			
Course Code: NRC 136	No. of Credits: 3	L-T-P: 45-0-0	Learning Hours: 45
Pre-requisite Course Code and Title (if any): None			
Department: Natural and Applied Sciences			
Course Coordinator: Dr Anand Madhukar		Course Instructor: Dr Anand Madhukar	
Contact Details: anand.madhukar@terisas.ac.in			
Course Type: Core		Course Offered In: Semester 1	
Course Description The course aims to develop a holistic understanding of the earth's system. Earth System Science is inherently interdisciplinary in scope, linking oceanography, atmospheric and terrestrial sciences, climatology, hydrology, biology, physics, and chemistry to understand the environment and climate. After the course, the students will appreciate the importance of a systemic approach to understanding the earth system and managing different earth components, natural resources, and climate.			
Course Objectives <ul style="list-style-type: none"> • To understand the basic principles of earth's system, its various components, and the interlinkages between these components. • To understand how the interplay between various earth's spheres influences climate. 			