

<b>Course Title:</b> Introduction to Environmental Physics			
<b>Course code:</b> UES 102	<b>No. of credits:</b> 3	<b>L-T-P:</b> 30-15-0	<b>Learning hours:</b> 45
<b>Pre-requisite course code and title (if any):</b> None			
<b>Department:</b> Natural and Applied Sciences			
<b>Course coordinator:</b> Dr. Ranjana Ray Chaudhuri		<b>Course instructor:</b>	
<b>Contact details:</b>			
<b>Course type:</b> Major		<b>Course offered in:</b> Semester 1	
<p><b>Course Description</b></p> <p>This course provides a fundamental knowledge of environmental physics to undergraduate students from diverse backgrounds. Environmental physics focuses on matter and energy exchange between various components of the Earth and associated processes at various spatial scales. The course will enable the students to develop a better understanding of the origin and propagation of various environmental processes and phenomena, and the physical controls governing their behavior. Upon completion of this course, students will have acquired the necessary knowledge to analyze the physical mechanisms involved in addressing real-world environmental challenges.</p>			
<p><b>Course objectives</b></p> <p>The course aims to build the following basic understanding among students:</p> <ul style="list-style-type: none"> <li>• Selected fundamental concepts and principles in physics.</li> <li>• How environmental processes and interactions are driven and regulated by these principles.</li> <li>• How these concepts are used in practical environmental applications.</li> </ul>			