

<b>Course Title:</b> Ecology and Ecosystems			
<b>Course code:</b>	<b>No. of credits:</b> 4	<b>L-T-P:</b> 45-0-30	<b>Learning hours:</b> 60
L: Lectures; T: Tutorials; P: Practicals			
<b>Pre-requisite course code and title (if any):</b> None			
<b>Department:</b> Natural and Applied Sciences			
<b>Course coordinator:</b>		<b>Course instructor:</b>	
<b>Contact details:</b>			
<b>Course type:</b> Core		<b>Course offered in:</b> Semester 1	
<p><b>Course Description</b></p> <p>This course aims to introduce the basic concepts of ecology and ecosystems. The course will essentially be helpful in developing an understanding of various processes and interactions between the biotic components and their physical environment. It includes providing an understanding of the structure and functions of the different ecosystems as well as dynamics and nutrient cycling at different levels. The fundamentals acquired through this course will not only be helpful in developing a deeper appreciation of complexity in natural systems but also help in understanding the core basis of any practical interventions aimed at conservation or rejuvenation of ecosystems.</p>			
<p><b>Course objectives</b></p> <ul style="list-style-type: none"> <li>• To build the basic concepts regarding the interactions of the biotic components with the abiotic components.</li> <li>• To develop an understanding of structure, functions, and ecological efficiency within different ecosystems.</li> <li>• To provide fundamental knowledge of nutrients uptake and biogeochemical cycling in the environment.</li> </ul>			