

Course title: Molecular Cell Biology: From Genes to Communities			
Course code: BBP 114	No. of credits: 2	L-T-P: 30-0-0	Learning hours: 30
Pre-requisite course code and title (if any): None			
Department: Department of Biotechnology			
Course coordinator(s): Prof. Ramakrishnan Sitaraman		Course instructor(s): Prof. Ramakrishnan Sitaraman	
Contact details: rkraman@terisas.ac.in			
Course type: Core		Course offered in: Semester 2	
<p>Course description: This course will highlight the physiological versatility that underlies the ability of organisms to adapt to varying needs of their respective developmental stages, environmental stimuli and ecological niches. Advanced and contemporary themes in molecular and cell biology will be highlighted as indicated. The course is divided into three modules to facilitate the analysis of living systems at progressively more complex levels. This course will help students gain new knowledge in, and develop their own perspectives on the rapidly expanding field of modern biology.</p>			
<p>Course objectives:</p> <ol style="list-style-type: none"> 1. To present an integrative view of cellular processes at progressively complex levels. 2. To enable synthesis of isolated information in order to analyze biological phenomena in a contextually relevant manner. 3. To delineate the overarching role of evolutionary considerations at multiple levels of complexity. 			