

<b>Course title: Introduction to Nanobiotechnology</b>			
<b>Course code:</b> BBP 115	<b>No. of credits:</b> 2	<b>L-T-P:</b> 22-08-0	<b>Learning hours:</b> 30
<b>Pre-requisite course code and title (if any):</b> None			
<b>Department:</b> Department of Biotechnology			
<b>Course coordinator:</b> Dr. Chandrani Nath		<b>Course instructor</b>	
<b>Contact details:</b>			
<b>Course type:</b> Core		<b>Course offered in:</b> Semester 2	
<b>Course description:</b> Nanotechnology is an interdisciplinary field and attracts students from various disciplines. This course provides basic overview of nanomaterials and their applications. This course begins with a review of various types of nanomaterials and an introduction to general terminologies. Subsequently the course covers synthesis methodologies, physical and chemical characterization of nanomaterials. Finally, case studies illustrating application of nanomaterials in diverse fields will be discussed.			
<b>Course objectives:</b> <ol style="list-style-type: none"> <li>1. To understand the nature and properties of nanomaterials.</li> <li>2. To provide scientific understanding of application of nanomaterials and nanotechnology in agriculture, health and environmental conservation</li> </ol>			