

<b>Course Title:</b> Sustainable Built Environment			
<b>Course code:</b> UES 201	<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>		<b>Course instructor:</b>	
<b>Contact details:</b>			
<b>Course type:</b> Major		<b>Course offered in:</b> Semester 3	
<p><b>Course Description:</b> This course explores the principles and practices of creating sustainable urban environments, focusing on how to design and manage urban spaces. The students will delve into the key components of modern built environments, including urbanism principles, transportation systems, energy use, and the crucial role of blue green infrastructure. Additionally, the course explores nature-based solutions to address the challenges of climate change within urban contexts. Through this interdisciplinary approach, students gain the knowledge and skills needed to contribute to the creation of resilient and sustainable urban environment.</p>			
<p><b>Course objectives</b></p> <p>The course seeks to instil in students a fundamental grasp of:</p> <ul style="list-style-type: none"> <li>• How buildings and built infrastructure impact associated ecological systems.</li> <li>• Green building principles and sustainable design practices.</li> <li>• Concept of urbanism and various components of urban systems.</li> <li>• Sustainability principles and nature-based solutions (NBS) for solving problems in urban systems.</li> </ul>			