

<b>Course Title:</b> Water and Soil Pollution			
<b>Course code:</b> UES 206	<b>No. of credits:</b> 4	<b>L-T-P:</b> 40-20-0	<b>Learning hours:</b> 60
<b>Pre-requisite course code and title (if any):</b> No			
<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 4	
<p><b>Course Description</b></p> <p>This course covers the fundamental principles of water and soil pollution, focusing on the sources, types, and impacts of various pollutants. Students will explore the mechanisms of pollution transport and fate within the environment, the effects of pollution on ecosystems, pollution monitoring and assessment. The course also addresses pollution prevention, control, and remediation strategies, providing a comprehensive understanding of how to manage and mitigate the impacts of pollution on water and soil resources.</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>• various sources of water and soil pollution and classification of pollutants</li> <li>• interpretation of pollutant movement through water and soil environments</li> <li>• knowledge of sampling methods, bioindicators, analytical techniques for detecting and quantifying contaminants in water and soil</li> <li>• familiarity with the strategies for mitigating pollution, including water treatment technologies, soil remediation methods and best management practices</li> </ul>			