

<b>Course title:</b> Air Quality Management			
<b>Course code:</b> NRE 134	<b>No. of credits:</b> 3	<b>L-T-P:</b> 29-16-0	<b>Learning hours:</b> 45
<b>Pre-requisite course code and title (if any):</b> Either NRE 137 Environmental Monitoring Laboratory or NRE 131 Environmental Chemistry and Microbiology			
<b>Department:</b> Natural and Applied Sciences			
<b>Course coordinator:</b> Dr Amit Singh		<b>Course instructor:</b>	
<b>Contact details:</b> amit.singh@terisas.ac.in			
<b>Course type:</b> Elective		<b>Course offered in:</b> Semester 2	
<p><b>Course Description</b></p> <p>This course aims to provide the interested with a variety of perspective on the air pollution issues: both ambient and indoor. We attempt to present the problems of air pollution as a potpourri of scientific, human, ecological, social, economic, political, legal and medical disciplines. The intention of this course is to provide a solid basis for assembling a common approach focusing on problem solving and appreciation of the vast subject branches and disciplines of air pollution and will be the mode of teaching in this course. It makes better understanding of the nature and parameters of the Indian air emission and ambient air quality standards. Field trips to plants and public utility services will also be organized for students to gain real-life insights leading to enrichment of insights and horizons.</p>			
<p><b>Course objectives</b></p> <ol style="list-style-type: none"> <li>1. The course objectives has three components i.e., sources of air pollution, pathways (air pollutants transformation and transport) and receptors.</li> <li>2. Students would get an insight into the dispersion of air pollution in the atmosphere</li> <li>3. This life cycle of air pollution will enable the student to first identify the pollutants and their sources and then the transport mechanisms of the pollutants followed by the affected population and there control mechanisms.</li> </ol>			