

## AR-406

<b>CODE</b>	<b>SUBJECT</b>	<b>CREDITS</b>
<b>AR-406</b>	ENV. SCIENCE-II	02
<b>FOCUS</b>		
	Understanding Light. Understanding sound control as an important element in creating comfortable functional spaces.	
<b>CONTENT</b>		
	<ul style="list-style-type: none"><li>-Day lighting – components, architectural methods of borrowing day light; control of glare.</li><li>-Artificial lighting</li><li>-Sound -Properties of Sound , room acoustics . Acoustical defects, sound absorbing materials and sound proof construction.</li><li>-Reverberation, Reverberation time for speech and music and its calculation.</li><li>-Acoustical requirement of various building type.</li><li>-Understanding Auditorium design – defects, ways of overcoming these defects.</li><li>-Noise Control : Means and measures for control, noise insulation, noise control requirements, constructional details and performance.</li><li>-Environmental Noise Control</li></ul>	
<b>METHODOLOGY</b>		
	Mainly lecture based. Case Studies and project work on auditorium design.	
<b>REFERENCES:</b>		
	<ol style="list-style-type: none"><li>1. Environmental Acoustics &amp; Arch. Design- Leshi L.Dodle</li><li>2. Architectural Acoustics- David Egan</li><li>3. Design for Good Acoustics - J.E.Moore</li></ol>	