

## AR-203

CODE	SUBJECT	CREDITS
AR-203	BUILD. CONSTRUCTION-II	03
<b>FOCUS</b>		
	Understanding different construction techniques for chosen materials, building elements and composite architecture	
<b>OBJECTIVE</b>		
	Elements; Arches and Lintels, Workmanship; Timber and F flooring	
<b>CONTENT</b>		
	<ol style="list-style-type: none"><li>1. Building Elements<ol style="list-style-type: none"><li>a. Arches Definition, General Forms, Types of Arches, Classification of Arches as per shape, center and workmanship, Stability.</li><li>b. Lintels &amp; weather sheds Function and use, materials used</li></ol></li><li>2. Timber Carpentry &amp; Joinery<ol style="list-style-type: none"><li>Terms</li><li>Principles of Joinery</li><li>Classification of joints</li><li>Widening joints</li><li>Angle and Oblique Joints</li><li>Fastenings</li><li>Tools used</li></ol></li><li>3. Flooring –Finishes &amp; details<ol style="list-style-type: none"><li>Types of Floor finishes,</li><li>Factors affecting choice of flooring materials</li><li>Case examples.</li></ol></li></ol>	
<b>METHODOLOGY</b>		
	Lectures on materials and construction of building elements, Conventional practices etc. Studio Exercises and case studies for above. Site Visit to various factories, processing sites etc.	
<b>REFERENCES:</b>		
	<ol style="list-style-type: none"><li>1. Construction of Building – Vol.2- R.Barry</li><li>2. Building Construction Metric Vol.1 - W.B.Mckay</li><li>3. Building Materials &amp; Components - CBRI, Roorkee</li><li>4. Building Construction - C.B. Punmia</li><li>5. Building Construction Illustrated - Fransis D.K.Ching.</li></ol>	