



# AMITY UNIVERSITY

— UTAR PRADESH —

**Course Title:** BUILDING CONSTRUCTION – II  
**Course Code:**  
**Credit Units:** 2  
**Level:** UG

L	T	P/S	SW/FW	TOTAL CREDIT UNITS
1	0	2	0	2

#	Course Title	Weightage (%)
	<b>BUILDING CONSTRUCTION - II</b>	
1	<b>Course Objectives:</b> Working knowledge of building materials used in construction, their properties, types and common usage. Application of appropriate building material in typical building	
2	<b>Prerequisites:</b> Basic knowledge of building materials and basic technologies of construction covered in the first semester	
3	<b>Student Learning Outcomes:</b> To demonstrate the principles and appropriate application and performance of construction materials	
<b>Course Contents / Syllabus:</b>		
4	<b>Module I: Timber</b> Timber: Qualities of timber for construction. Seasoning, Storage, defects and preservation of timber. Use of different types of wood in various parts of building. Industrial timber: veneers, plywood, fibreboard, etc.	<b>10%</b>
5	<b>Module II: Carpentry &amp; Joinery in Timber</b> Timber Joinery, Types, Classification, Usage & the application of various tools & machinery used in the process.	<b>10%</b>
6	<b>Module III: Timber Doors &amp; Windows</b> DOORS: Details of doors which will include Basic Doors (Battened /ledged/Braced door), Flush Doors (both solid & hollow core flush doors) & Panelled Door (both single & double shutter panel doors – in timber, wire mesh & glazed panel door.) WINDOWS: Details of window which will include Casement window, fully glazed window, Ventilator Simple & pivoted, Fixed	<b>50%</b>

	Glass window, louvered window, corner and Bay window.																																																	
<b>7</b>	<b>Module IV: Partition, Cupboard, Furniture</b>	<b>30%</b>																																																
	Details of Timber Panelled and Soft board Partitions. Wooden Cupboards/Wardrobes / Cabinets (Living & Kitchen both) details																																																	
<b>9</b>	<p><b>Pedagogy for Course Delivery:</b>  The course will be delivered by means of lectures, group presentation, market visit by students.  Conduction of practical exercises in construction yard. Site visit to related sites. The students would be familiarised with glossary of vernacular terminology as prevalent in this part of the country</p>																																																	
<b>10</b>	<p><b>Assessment/ Examination Scheme:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Theory (%)</th> <th colspan="3" style="width: 50%;">Lab/Practical/Studio (%)</th> <th colspan="2" style="width: 25%;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">50</td> <td colspan="3" style="text-align: center;">50</td> <td colspan="2" style="text-align: center;">100%</td> </tr> <tr> <td colspan="6" style="text-align: center;"><b>Theory Assessment L/T</b></td> </tr> <tr> <th style="width: 25%;">Components (Drop down)</th> <th style="width: 16.6%;">A</th> <th style="width: 16.6%;">C</th> <th style="width: 16.6%;">PR</th> <th style="width: 16.6%;">H</th> <th style="width: 16.6%;">EE</th> </tr> <tr> <td><b>Weightage (%)</b></td> <td style="text-align: center;">5</td> <td style="text-align: center;">15</td> <td style="text-align: center;">10</td> <td style="text-align: center;">20</td> <td style="text-align: center;">50</td> </tr> <tr> <td colspan="6" style="text-align: center;"><b>Lab/Practical/Studio Assessment</b></td> </tr> <tr> <th style="width: 25%;">Components (Drop down)</th> <th style="width: 16.6%;">A</th> <th style="width: 16.6%;">CT</th> <th style="width: 16.6%;">P</th> <th style="width: 16.6%;">S</th> <th style="width: 16.6%;">VV</th> </tr> <tr> <td><b>Weightage (%)</b></td> <td style="text-align: center;">05</td> <td style="text-align: center;">15</td> <td style="text-align: center;">10</td> <td style="text-align: center;">20</td> <td style="text-align: center;">50</td> </tr> </tbody> </table> <p><b>A- Attendance, C – Class Test, PR – Presentation, H – Home Assignment, CT – Class Test ( Practical Based), S – Studio Work, VV – Viva Voice, EE – External Examination</b></p>	Theory (%)	Lab/Practical/Studio (%)			Total		50	50			100%		<b>Theory Assessment L/T</b>						Components (Drop down)	A	C	PR	H	EE	<b>Weightage (%)</b>	5	15	10	20	50	<b>Lab/Practical/Studio Assessment</b>						Components (Drop down)	A	CT	P	S	VV	<b>Weightage (%)</b>	05	15	10	20	50	
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**Text & References:*****Text:***

- Illustrated Building Construction by Francis D.K.Ching
- Building Construction & Materials, S.C. Rangwala
- A text book of Building Construction, B.C. Punmia
- Building Materials & Construction, Shushil Kumar.

***References:***

- Building Construction, Mackay WB Vol. 1-4, Construction Technology, Chudley Vol. 1-6