

GUJARAT TECHNOLOGICAL UNIVERSITY
BRANCH NAME: B.ID.
SUBJECT NAME: INTERIOR MATERIAL & TECHNOLOGY-III
SUBJECT CODE: 2X35103
2nd Year: Semester: 3

Prerequisite:

It is mandatory to complete Interior Material & Technology II in order to opt for this course.

Rationale:

Making of Partitions and Openings.

Teaching and Assessment Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks	University Exam Type
Lectures	Tutorials	Studio		External exam		Internal exam			
				(ESE)Theory	(ESE) Viva	(PA)Theory	(PA)Viva		
2	0	2	4	40	NA	60	NA	100	Exam

Content:

Sr. No.	Content	Total Hours*	% Weightage*
1	<p>Unit 1: Partitions and Panelling</p> <ul style="list-style-type: none"> • Design standards & criteria for placement of partitions. • Relationship of space planning and partitions. • Construction sequence & fitting of various partitions • Introduction to definition & terminology of partitions. • Explorations of typologies and their applications: <ol style="list-style-type: none"> 1. Types of partitions 2. Exploration of materials • Construction of partition: <ol style="list-style-type: none"> 1. Timber (wood and ply) partitions 2. Metal partitions 3. Glass partitions • Understanding of partition in relation to floor and ceiling/ roof. 	32	50
2	<p>Unit 2: Openings</p> <ul style="list-style-type: none"> • Design standards & criteria for placement of openings. • Relationship of space planning and openings. • Construction sequence & fitting of various openings. • Introduction to definition & terminology of opening. • Explorations of typologies and their applications: <ol style="list-style-type: none"> 1. Types of openings. 2. Exploration of materials • Construction of openings out of wood, steel, Aluminum, M.S. Glass etc. Wooden doors and windows 	32	50

	<ul style="list-style-type: none"> • Metal Doors & Windows • Paneling • Specifications of openings • Understanding & exposure of Hardware used like Hinges, Handles, Fasteners, Locking devices etc. • Understanding of opening with relation to partition 		
--	---	--	--

*: indicative

Thrust / Projects:

- Case studies.
- Drawings , Enlarged Details And Models
- Site/Factory visits
- Market Survey

Reference Books:

- Mackay W. L. – Building Construction – Volume – I , II, III & IV
- Barry R – The Construction of Buildings - I , II, III & IV
- Cowan Henry – Handbook of Architectural Technology
- Atten Edward – Fundamentals of Building Construction
- Sushil Kumar – Building Construction

*- this is suggestive for common purpose. Faculty may decide on this, considering student group and institution philosophy.