

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BRANCH NAME: B.ID.**  
**SUBJECT NAME: SURFACE FINISHES**  
**SUBJECT CODE: 2X25108**  
**1<sup>st</sup>Year: Semester: 2**

**Emphasis:**

- Science of materials relevant to interior design field – with specific reference to their surface related qualities.

**Teaching and Assessment Scheme:**

Teaching Scheme			Credits C	Examination Marks				Total Marks	University Exam Type
Lectures	Tutorials	Studio		External exam		Internal exam			
				(ESE) Practical	(ESE) Viva	(PA) Practical	(PA)Viva		
2	0	2	4	50	NA	50	NA	100	Exam

**Content:**

Sr. No	Content	Total Hours*	% Weightage*
1	<p><b>Unit 1: Wall Finishes:</b> Understanding of exposed as well as non exposed wall finishes.</p> <ul style="list-style-type: none"> <li>• Exposed wall construction techniques, its treatments and protective coatings over it. Eg : exposed brick wall, precast concrete walls etc</li> <li>• Plastering: various types of plasters, its constituents, finishes possible (smooth/rough/textured) and its application.</li> <li>• Painting: Understanding paint as clear or pigmented, protective as well as decorative surface coating. Various types of paints, their constituents, properties and application process.</li> <li>• Wallpapers: Various types of wallpapers, their sizes and its application.</li> </ul>	14	25
2	<p><b>Unit 2: Floor Finishes:</b> Understanding of various flooring materials and floor coverings, their properties, laying process, market rates and their selection criteria in interiors.</p> <ul style="list-style-type: none"> <li>• Mud flooring</li> <li>• Brick flooring</li> <li>• Cement concrete flooring</li> <li>• Stone flooring – marble , granite, sandstone etc</li> <li>• Tiled flooring – vitrified, ceramic and porcelain.</li> <li>• Terrazzo and mosaic flooring</li> <li>• Wooden flooring- natural wood flooring, engineered wood flooring, laminated wood flooring etc.</li> <li>• Resilient floorings-rubber flooring, cork flooring, vinyl flooring, and linoleum flooring.</li> <li>• Acid proof flooring</li> </ul>	14	25

	<ul style="list-style-type: none"> <li>● Floor coverings: rugs, durries and carpets</li> </ul>		
3	<p><b>Unit 3: Ceiling Finishes:</b> Understanding various false ceilings in interiors – its construction technique, material properties, market rates and its appropriate functional and aesthetic usage in interiors.</p> <ul style="list-style-type: none"> <li>● Pop ceilings</li> <li>● Suspended ceilings with readymade panels in different materials like gypsum, thermocol, metal, fiber, etc available in the market.</li> </ul>	14	20
4	<p><b>Unit 4: Furniture Finishes:</b> Understanding various materials used in furniture construction as well as protective and decorative furniture covering materials. Understanding their manufacturing, application, market rates and appropriate selection criteria in interiors.</p> <ul style="list-style-type: none"> <li>● Natural wood and wood derivatives: Harwood, soft wood, plywood, block boards, particle boards (M.D.F. and H.D.F.), veneers and laminates.</li> <li>● Various metals and their surface treatments.</li> <li>● Glass and its various surface treatments. E.g.: frosting, etching, staining etc.</li> <li>● Paint and polish: Various types of clear or pigmented protective surface coatings over wooden/wood derived, metal and glass surfaces. Study of their constituents, properties, market rates and application process. E.g.: varnish coat, lacquer coat, polyurethane coat,</li> </ul>	14	20
5	<p><b>Unit 5: Fabrics:</b> Fibers, weaving techniques, fabric treatments and fabric crafts. Properties of various fabrics, their market rates and appropriate selection criteria in interiors.</p>	8	10

\*:indicative

**References:**

- Mackay W.L. – Building Construction – Volume – I, II, III
- Barry R – The construction of building.
- Cowen Henry – Handbook of Architectural Technology
- Atten Edward – Fundamentals of Building construction
- D.K. Ching- Interior Design Illustrated
- Nancy Gesimondo – Jim Postell – Materiality and Interior construction

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