



Hindi Vidya Prachar Samiti's

# **Ramniranjan Jhunjhunwala College**

**of Arts, Science & Commerce**

***(Empowered Autonomous College)***

**Affiliated to**

**UNIVERSITY OF MUMBAI**

**Syllabus for the S.Y.B.Sc. (under NEP)**

**Program: B.Sc. INTERIOR DESIGN**

**Program Code: RJSUID**

**Semester: III**

**Vertical under NEP: Major Mandatory Practical - II**

**Course Code: RJMAJINDP232**

**(REVISED in 2024 - 2025 in alignment with the NEP 2020 facilitating the inter - and multidisciplinary learning and multiple entry and exit of the students)**  
**Level 5.0**

***(CBCS 2024-2025)***

**Hindi Vidya Prachar Samiti's Ramniranjan Jhunjhunwala College of Arts, Science & Commerce**  
**S.Y.B.Sc. Interior Design Syllabus - Semester III**

SEMESTER	III
TITLE OF THE SUBJECT/COURSE	INTERIOR COMPONENTS MATERIALS & TREATMENT - II
COURSE CODE	<b>RJMAJINDP232</b>
CREDITS	04
DURATION	60 LECTURES

<b>LEARNING OBJECTIVES</b>
1. To equip the learner with various structural systems, Floor system, Stairs and Facade design by means of understanding the materials, construction, assembly and joinery through detailed working drawings.

Course Outcome Number	On completing the course, the student will be able to:	Blooms Levels	PSO Addressed
<b>CO 1</b>	Understand the various Structural systems from load bearing in bricks, stone to RCC and Steel framed with its applications in the design field.	1,2,3	BT Level I, II, III remember, understand & Apply
<b>CO 2</b>	Understand the functions, importance of single and double floor systems and its applications.	1,2,3	BT Level I, II, III remember, understand & Apply
<b>CO 3</b>	Understand the functions and importance of Stairs, its different types and its applications in the design.	1,2,3	BT Level I, II, III remember, understand & Apply
<b>CO 4</b>	Understand the Facade and its engineering with its applications and types	1,2,3	BT Level I, II, III remember, understand & Apply

**Hindi Vidya Prachar Samiti's Ramniranjan Jhunjhunwala College of Arts, Science & Commerce**  
**S.Y.B.Sc. Interior Design Syllabus - Semester III**

<b>SEMESTER III (PRACTICAL)</b>		<b>L</b>	<b>Cr</b>
Paper: <b>Interior Components Materials &amp; Treatment - II</b>	Paper Code: <b>RJMAJINDP232</b>	60	4
<b>UNIT I</b>			
<b>1. Structural Systems:</b> - Introduction to different structural systems for buildings:- Load bearing brick/stone masonry - its application in the interior field. - RCC frame structure with column, beam, slab, cantilevers etc. – its application in the interior field. - Steel framed construction with different rolled sections - its application in the interior field.		20	
<b>UNIT II</b>			
<b>2. Floor Systems:</b> - Single floor in wood and steel with different floor finishes. - Introduction to the double floor in steel.		10	
<b>UNIT III</b>			
<b>3. Stairs:</b> - Single flight wooden staircase and dog-legged RCC, metal staircase. - Principles of steel spiral stairs.		15	
<b>UNIT IV</b>			
<b>4. Facade Design:</b> - Façade design and engineering: its general principles, construction systems, details and tolerances, materials, geometrical complexity, sustainability and construction site processes.		15	

**Suggested References**

1. Francis D K Ching, Interior Design Illustrated, Van Norstrand, New Delhi
2. John Pile, Interior Design, Harry N. Adry Publishers
3. Ahmed Kasu, Interior Design, TWAIN Pub. Bombay
4. Francis D. Ching, Building Construction Illustrated, Wiley publishers
5. Phillis Sleen Allen, Beginning of Interior Environment, New York