

**BACHELOR OF INTERIOR DESIGN**  
**Veer Narmad South Gujarat University, Surat.**

**B.ID. I; Semester II:**

**BASIC STRUCTURE II**

Sub 1	Code No. 2	Teaching Scheme (Contact Hours)			Examination Scheme (MARKS)					Grand Total / Min <sup>m</sup> Passing 9+10	
					Internal (50%=10%+20%+20%)				External (50%)		
		Lecture 3	Studio 4	Total Credit 5	Internal / Attend (10%) 6	Contin. Eval. (20%) 7	Final Review (20%) 8 (Jury/Viva/ Test)	Total (50%) (6+7+8) 9	Total 10		Min. Pass 11
Basic Structure II		2	-	2	10	20	20	50	50	50 / 35%	100 / 35%

**EMPHASIS:** Behavior of materials and basic structural systems.

**CONTENT:** Structural properties of basic materials like masonry, timber, concrete and steel. Introduction to basic structural systems such as post-beam, bearing wall system, Trusses, rigid frames, and their behavior. Distribution of loads through the elements of the system. Case Studies.

Effect of simple geometric forms on the overall structural behavior.  
 Working out structural systems and their layout for a small building, elements of interior spaces – false ceilings etc. and furniture forms.

Details regarding various types of structure like masonry structure, framed structure (R. C. C. or steel) and structural systems.

**☞ REFERENCES:**

- 1) Bear & Johnston – Vector mechanics for engineers – static
- 2) Desai and Mistry – Engineering Mechanics, Static & Dynamics
- 3) Junarkar & H. J. Shah – Applied Mechanics
- 4) Jeffery Cook – Seeking Structures from Nature