

GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH NAME: B. Arch.
SUBJECT NAME: Basics of Design
SUBJECT CODE: 2X15004
1st Year: Semester: I

Prerequisite:

It is a beginner course. There is no prerequisite for this course.

Rationale:

This course is aimed to introduce basic principles of Design to students. This will introduce students to visual elements and basic principles of designing i.e. symmetry, balance, rhythm, focus, contrast, repetition, variety, scale, proportion etc. Thereby, sensitize students to be more observant to their surroundings and promote it as a basic creative instinct in the students.

Teaching and Assessment Scheme:

Teaching Scheme			Credits C	Examination Marks				Total Marks	University Exam Type
Field work	Lectures	Studio		External exam		Internal exam			
				(ESE)Theory	(ESE) Viva	(PA)Theory	(PA)Viva		
NA	2	4	06	NA	40	NA	60	100	JURY

Content:

Sr. No.	Content	Total Hours*	% Weightage*
1	Visual elements: point and line, shape and mass etc	24	25%
2	Principles of design: unity and variety, balance, emphasis and focal point, proportion etc	24	25%
3	Exploring colour scheme and its application on architectural forms and spaces Nature Study Study of textures and light Study of linear and Planar forms using simple material like Mount Board, metal foil, box boards, wires, string, thermocol etc. Study of Solids and voids to evolve sculptural forms and spaces and explore the play of light and shade and application of color Study of fluid and plastic forms using materials like clay, pop etc.	48	50%

*: indicative

Suggested Specification table with Marks (Theory):

Distribution of Theory Marks					
R Level	U Level	A Level	N Level	E Level	C Level
05	20	20	10	10	35

Legends: R: Remembrance; U: Understanding; A: Application; N: Analyze; E: Evaluate; C: create and above levels (Revised Bloom's Taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Reference Books:

- Architecture: Form, Space, and Order by Francis D. K Ching, Willey
- V. S. Pramar, Design fundamentals in Architecture, Somaiya Publications Pvt. Ltd., New Delhi, 1973
- Webb, Frank, "The Artist guide to Composition, "David & Charles, U.K., 1994
- Drawing a Creative Process", Ching Francis, Van Nostrand Reinhold, New York, 1990
- Architecture: A Visual History, Jonathan Glancey, DK, Penguin Random House, 2017

Course Outcome:

Sr. No.	CO Statement	Marks % Weightage
Upon completion of this course, the students should be able to:		
1	Analyze various design styles with respect to design principles applied and visual elements used.	20%
2	Select from various visual elements and design principles, relevant ones for given set of requirement	10%
3	Evaluate the character/quality of design with respect to design principles like unity and variety, balance, emphasis and focal point, proportion, scale etc	10%
4	Identify key visual elements features taught in this course	10%
5	Propose different designs using various basic design principles	50%

List of Projects/Assignments*:

Lectures/Class work shall consist of presentations on various fundamentals of design as listed above. This subject is best delivered by various exercises, Model making etc.

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