



School of Planning and Architecture: Vijayawada

(An institution of National Importance under the Ministry of Human Resource Development, Govt. of India)
Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India

Department of Architecture

Course:	ARC 111 Basic Design -I	Class: I Yr B Arch I Sem A.Y. 2024-25
Instructors:	Section A: Dr.Srinivas D, Ar. Shreeleha C, Tanaya Paul (TA) Section B: Ar.Madhav Rao, Mr. P. SanthoshKumar	Internal Assessment: 50 External Theory Exam: 50 Total Marks: 100 Credits: 10
Contact Periods/ week:	10 periods.	
Time Table:		
Attendance:	Min 75%	Min. Passing Marks: 50% each in Internal & External Assessment, 50% in Aggregate

Objective: To introduce to the students the fundamentals of design and development of design vocabulary, to nurture design thinking and to enable them to apply the same thought process in developing three-dimensional compositions. The studio also introduces drawings and models as tools for conceptualization, organization and furthering of design thought process. This studio teaches the students to learn the basics of graphic design and three-dimensional composition. The studio also has a direct interface with the Graphic Design Studio and Architectural Workshop.

OutComes: Students finishing this course will be able to:

1. Understand the qualities of different elements as well as their composite fusions.
2. Engage and combine the elements of design in spontaneous as well as intentional ways in order to create desired qualities and effects.
3. Develop the required skills – observation / analysis / abstractions / interpretation / representations / expressions through models and drawings.
4. Understand form by making.

LECTURE PLAN

WEEK	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
1	Week-1 Date	Orientation Programme & Introduction (Day- 1) Collage developed on the basis of a "CONCEPT". (Day-2) Concept shall be selected from a list of concepts which are given to students earlier. Collage is a technique of an art production, primarily used in the visual arts, where the artwork is made from an assemblage of different forms, thus creating a new whole. Introduction to Architectural Design	Lecture/studio
2	Week-2 Date	Useful from Useless – Designing and making a model of useful object/product from useless (waste) similar to the concept of Socially useful product work (SUPW)	Lecture/studio
3	Week-3 Date	Introduction to Elements of design, Presentation and group discussion	Lecture/studio
4	Week-4 Date	Work Shop -1	Lecture/studio

5	Week-5 Date	Objective: To learn about the "GRID" as an important tool in organizing architectural spaces. Assignment: On the given Grid, the students are required to work, develop patterns in pencil, black and white and colour on A4 size sheets. Three-dimensional output of one interesting part of the grid is expected in the final module. The students are expected to design a folder for storing their own sheets, comfortable for the sheets to be safeguarded and presentable.	Lecture/studio
6	Week-6 Date	Elements and Principles of design – Presentation Introduction to group work on principles and elements of design, Selection of a building in their home town and a building of their choice and present the understanding of elements and principles of design.	Lecture/studio
7	Week-7 Date	Opposite words: Translation of selected opposite words in to graphical representation from two dimensional (black & white, colour) and to three-dimensional modelling. (Day-2)	Lecture/studio
8	Week-8 Date	Workshop -2	Lecture/studio
9	Week-9 Date	Introduction to Anthropometry , exercises related to anthropometry to understand the basic concepts of anthropometry	Lecture/studio
10	Week-10 Date	Colour Wheel and Compositions: <i>Colour is one of the elements of Visual Art. Colours and textures enhance our visual experience-not only because of their obvious embellishment value, but also because of their spatio-plastic behaviour. They are known to effect human psyche. Colours and textures must also be matched well, with each other, and for maximum visual impact, with the form that they would together embellish.</i>	Lecture/studio
11	Week-11 Date	Colour Wheel and Compositions: cont.	Lecture/studio

12	Week-12 Date	Opposite words: Translation of selected opposite words in to graphical representation from two dimensional (black & white, colour) and to three-dimensional modelling. (cont.) (Day-1) Workshop -3 (Origami) Day -2	Lecture/studio
11	Week-13 Date	Line as component of design-working on a hardboard platform, using threads/wool etc., to visual 3Dimensional.	Lecture/studio
12	Week-14 Date	<i>Design and presentation of models based on enclosed spaces (4 models)</i> <i>Objective: Design and Materials</i> <i>Architectural composition depends on the designer's selection of appropriate materials in order to express certain design ideas. Linear form, organic, sculptural, traditional, hi-tech, etc are some of these expressions that can be explained by the use of different materials.</i>	Lecture/studio
13	Week-15 Date	<i>Case study of existing projects</i> <i>Bus shelter, saloon, hawkers etc.</i>	Lecture/studio

S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment –1	50
2	Second stage: Mid-semester Examination	
3	Third stage: Assessment –3	
	Total	50

References:

1. Broadbent, G. (1973). Design in Architecture - Architecture and Human Science. New York John Wiley and Sons.
2. Chauhan, P. (2005). Learning Basic Design. Mumbai: Rizvi College of Architecture.
3. Ching, F. D. K. (1997). Design Drawing. Hoboken: John Wiley & Sons.
4. Ching, F. D. K. (2012). Architecture: Form, Space and Order. 3rd Ed. Hoboken: John Wiley & Sons.
5. Roger, K. L. (1998). Architect? A Candid Guide to the Profession. Cambridge: The MIT Press.
6. Rasmussen, S. (1962). Experiencing Architecture. 2nd Rev. Ed. Cambridge: MIT Press.

Course Instructors:

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Head of Department: