



School of Planning and Architecture: Vijayawada

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

Course:	Subject Code; ARC123 Subject Name- Architectural Drawing and Graphics II
Instructors:	Subject Instructors: Pushpendra Kumar, Santosh Kumar P., Madhav Rao

Contact Periods/ week: 5 periods

Time Table: Monday 9am to 2:25pm

Attendance: Min 75% **Min. Passing Marks:** 50% each in Internal & External Assessment, 50% in

Objective: Introducing students to advanced techniques of architectural drawings and to equip with the drawing skills. Enhancing the skill and model making

Out Line of the Course: The studio introduces the students to elements of architecture; understanding measured drawing of physical factors in Architectural design e.g. orientation, ventilation, adequate protection from rain, dust, insects etc., and their relation to everyday utilities. Indoor space, outdoor space, the concept of space in buildings. The relationship between enclosure. Organization of spaces, fenestration, and character of facade, enclosure and internal spaces. Introduction to site plan information as a decision making aid.

WEEK	Date	DATE	TOPIC OF CLASS LECTURE & DISCUSSION
1	3.01.2024	Week-1, 2	Introduction to perspectives, difference between views & perspectives, Types of perspectives: one point, two-point & three-point, Anatomy of Perspectives
2	10.01.2024	Week-3	Objects, study of picture plane, station point, vanishing point, Eye level, Ground level etc., its variation & effects
3	17.01.2024	Week-4	Perspective drawing of simple and complex objects, one point and two point perspective of interiors and exteriors, sectional perspectives
4	24.01.2024	Week-5	Introduction to Sciography, Principles of shade & shadow, Shadows of lines, planes & simple solids due to near & distant sources of light, shadows of architectural elements
5	31.01.2024	Week-6	Construction of sciography on building, Application of sciography on pictorial views

6	07.02.2024	Week-7,8	Use of different scales; templates; measuring aids; conventions followed; Use of materials, viz. Acrylic, Polystyrene (thermocol), softwood, plastics, glass fiber, metals in architectural models
7	14.02.2024	Week-9	Portfolio Review
8	21.02.2024	Week-10	Discussion for developing the model
9	28.02.2024	Week-11	Surface Development with different materials.
10	06.03.2024	Week-12	Massing and 3D form development
11	13.03.2024	Week-13	Foamboard basic architectural models development
12	20.03.2024	Week-14	Review of the Model Development , Development process discussion.
13	27.03.2024	Week-15,16	Painting model surfaces with various finishes, development of topography and landscape elements, use of materials like cork, polyurethane foam, use of laser, acid etching, stereolithography for development of building envelopes.
14	03.03.2024	Week-16	Painting model surfaces with various finishes, development of topography and landscape elements, use of materials like cork, polyurethane foam, use of laser, acid etching, stereolithography for development of building envelopes.
15	10.03.2024	Week 17	Skills to use the tools with precision, Techniques for preparation of presentation models. General information and practice with different finishing material
16	17.03.2024	Week-18	Skills to use the tools with precision, Techniques for preparation of presentation models. General information and practice with different finishing material
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Stages of Evaluation			
1			First stage: Assessment –1
2			Second stage: Mid-semester Examination
3			Third stage: Assessment –3
			Total

Reference Books:

1. Ching, F. D. K. (2012). Architecture: Form, Space and Order, 3rd Ed. Hoboken : John Wiley & Sons.
2. Roth, L. M. (2013). Understanding Architecture: Its Experience History and Meaning, 3rd Ed. Philadelphia : West-view press.
3. Rudolf, A. (1977). The dynamics of architectural form. Berkeley and Los Angeles: University of California Press.
4. Prak, N. L. (1968). The Language of Architecture: A contribution to architectural theory. Hague : Mouton & Co.
(1994). The Theory of Architecture—Concepts & themes. New York : Van Nostrand Reinhold. New York.
6. Pandya, Y. (2007). Elements of Space making. Ahmedabad : Mapin.
7. Peter, V. M. (1998). Elements of architecture – from form to place. 1st Ed. New York : Routledge.
8. Unwin, S. (2003). Analysing Architecture. London : Roulledge.

Course Instructors:

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t, Govt. of India)

Class: I Yr. II Sem. B.Arch, 2023-24 A.Y

Internal Assessment: 50

External Theory Exam: 50

Total Marks: 100

Credits: 5

Aggregate

s in developing a graphical language of architecture

existing small human habitat. Importance of
an dimensions in various postures (applied form),
ian and space. Defining spaces and the degree of
anning, and landscaping. Interpretation of site

TOPIC OF STUDIO WORK& ASSIGNMENTS / REMARKS
Lecture and Studio
Lecture and Studio
Lecture and Studio
Lecture and Studio
Lecture and Studio

Lecture
Discussion
Discussion
Lecture and Studio
Lecture and Studio
Lecture and Studio
Discussion
Lecture and Studio
Lecture and Studio
Lecture and Studio
Lecture and Studio
Weightage
30%
30%
40%
100%

5. Paul, A. J.

Head of Department/Coordinator:

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