

School of Architecture and Interior Design (SAID), KTR
School of Architecture Environment and Design (SEAD), RPM
Faculty of Engineering and Technology

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Lesson Plan – Studio Course

Course Code : 16AR 209
Course Title : ARCHITECTURAL DELINEATION & MODEL MAKING
Year & Semester : II year, 3rd semester.
Course time : ODD SEMESTER (JULY – NOV 2018)
Branch : B. ARCH
Location : ARCHITECTURE DEPARTMENT

Faculty Details:

Name of the Staff	Designation	Campus	Section	Mail ID	Mobile No
Mr. Kannan B	Art Prof.	SAID	A	kannan.b@ktr.srmuniv.ac.in	9444300742
Mr. Udhayakumar P	Asst. Prof		A	udhayakumar.po@ktr.srmuniv.ac.in	9789882810
Mr.Dhiyaneshwaran R	Asst. Prof		B	dhiyaneshwaran.r@ktr.srmuniv.ac.in	9965055600
Mr.Srinath J	Art lecturer	SEAD		srinath.j@rmp.srmuniv.ac.in	9025193543

Required Text Books:

1. BENN, the book of the house ,Ernest Benn limited London
- 2.Jannsen, Constructional Drawings & Architectural models, Kari Kramer Verlag Stuttgart1973.
3. Harry W.Smith, The art of making furniture in miniature, E.P.Dutton Inc., New York, 1982.
4. Thames and Hudson Manual of Rendering with Pen and Ink-Robert W Gill.

Tentative Assignment Dates

Assignment exercise Unit I : 3rd week of July 2018
 Assignment exercise Unit II : 3rd week of Aug 2018
 Assignment exercise Unit III : 2nd week of Sep 2018
 Assignment exercise Unit IV : 1st week of Oct 2018
 Assignment exercise Unit V : 3rd week of Oct 2018

Portfolio submission : 4th week of Oct 2018

Mark split up				
Unit	Concept	Design Development	Presentation	Total
1	3	4	3	10
2	3	4	3	10
3	3	4	3	10
4	3	4	3	10
5	3	4	3	10

DETAILED SESSION PLAN

Total no of hours: 90 hrs.

S N O	Class	Topics To be covered	Hou rs	Reference
1		UNIT-1 DIAGRAMMING	10	
	1-6	Types of diagrams, graphic metaphors, are diagram, matrix diagram, network diagram, bubble diagram,	6	BENN, the book of the house ,Ernest Benn limited London
	6-9	circulation diagram, analytical diagram, schematic etc., symbol, sign, arrows, parti – concept diagrams.	3	
2		UNIT-2 PRESENTATION TECHNIQUES	25	
	10-18	Techniques of rendering with pen & ink- graphical representation of buildings & entourage such as Trees, Lawns, Shrubs, Paving, Pathways, Flower Bed, Water Pools, Human Figures, Vehicles etc.	9	Janssen, Constructional Drawings & Architectural models, Kari Kramer Verlag Stuttgart 1973 .
	19-30	33 Exposure to other medium of presentation - Pencil, Pastel Colors, and water Colors,	12	
	31-33	Color Theory and Use of Colors in Presentation	3	
3		UNIT-3 INTRODUCTION TO MODEL MAKING AND BLOCK MODELLING	25	
	34-45	Introduction to concepts of model making and various materials used for model making	12	
	46-51	Preparation of base for models using wood or boards	6	
	52-60	Introduction to block models of buildings (or 3D Compositions) involving the usage of various materials like Thermocol, Soap/Wax, Boards, Clay etc	9	
4		UNIT-4 DETAILED MODELLING	20	
	61-72	Making detailed models which includes the representation of various building elements like Walls, Columns, Steps, Windows/glazing, Sunshades, Handrails using materials like Mountboard, Snowwhite board, acrylic sheets Representing various surface finishes like brick/stone representation, stucco finish etc	12	Janssen, Constructional Drawings & Architectural models, Kari Kramer Verlag Stuttgart 1973
	73-81	Various site elements – Contour representation, Roads/Pavements, Trees/Shrubs, Lawn, Water bodies, Street furniture, Fencing etc	9	BENN, the book of the house ,Ernest Benn limited London

5	UNIT-5 MODELS OF STRUCTURAL SYSTEMS	10	
82-87	Making models of the various structural systems used in buildings like Space frames – using Match sticks, wires	3	Harry W Smith, The art of making furniture in miniature, E.P.Dutton Inc., New York, 1982
88-90	Different forms of shell roofs using POP, Clay, Soap. Tensile structures using fabric	6	
	PORTFOLIO SUBMISSION		

FACULTY IN CHARGES

HOD-CR
Prof. C.V. Lakshman

VP ACADEMIC
Dr. Devyani Gangopadhyay

Mr. Kannan B

Mr. Udhayakumar P

Mr. Dhiyaneshwaran R

Mr. Srinath J

Handwritten signatures:
 Udhayakumar P
 Dhiyaneshwaran R
 Srinath J

Handwritten signature:
 Dr. Devyani Gangopadhyay