

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Architectural Assistantship

Semester: I

Subject Name: **Model Making**

Subject Code: **310044**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Internal Assessment (I)
0	0	4	2	0	0	100

Rationale:

All architectural designs are presented with the help of drawings and model. Drawings like plans, sections & elevations help one to understand the design two-dimensionally while models provide a three dimensional effect. Hence knowledge and skill of making models with the help of different materials in different scales is very important for architectural presentation. This type of presentation is useful to common man/lay-man for understanding planning & designing of building

Topic No.	Name of Topic	No. of Hours		
		Lect.	Pract.	Total
1.	One model of geometrical composition having 4 to 5 geometrical solids	—	14	14
2.	One model of building components like staircase, water tank, balcony, porch entrance etc.	—	16	16
3.	One model of small building showing landscape, parking etc.	—	26	26
				56

T.R.S. & EO's

T.R.S

1. Prepare a model of building using different materials.

EO's

- 1.1.1 Cut and paste various materials like cardboard, mount board, cork sheet, thermocol, and prepare given geometrical objects.
- 1.1.2 Prepare models of given building components.
- 1.1.3 Prepare a model of a small building.
- 1.1.4 Prepare the base for landscaping and placement of the building.

Sr. No.	Course Content:
1.	Topic -1 1.1 Use of different materials & tools used in Model Making such as card board, mount board, thermocol etc. 1.2 Exercise on cutting and pasting of these materials. 1.3 Model of layout of buildings, Model of building components. 1.4 Techniques of landscaping, site details.
2.	Topic-2 2.1 This shall consist of Models done as under: 2.1.1 One model of geometrical composition having 4 to 5 geometrical solids. 2.1.2 One model of building component like staircase, water tank, balcony, porch entrance etc. 2.1.3 One model of small building showing landscape, parking etc.

Instructional Strategies and Key Resources:

Sr. No	T.R.S	E.O.	Instructional Strategy	Key Resources
1	2.7	2.7.1	Studio Ex. & Pr. Feedback,	Materials(i.e. thermocol, clay etc).
		2.7.2	Studio Ex. & Pr. Feedback,	Materials(i.e. thermocol, clay etc).
		2.7.3	Studio Ex. & Pr. Feedback,	Materials(i.e. thermocol, clay etc).
		2.7.4	Studio Ex. & Pr. Feedback,	Materials(i.e. thermocol, clay etc).

Reference Books:

1. Architectural Models - Rolf Janke Thames & Hudson, London.
2. Architectural Drawing- Edward J. Muller Prentice Hall, Eaghwood Cities.
3. Architectural - Ernest Burden Delineation (Mc-Grew Hills Book Co).