

AR-126 ADVANCED MODEL MAKING :: C-16

Subject Title	:Advanced model making
Subject Code	:AR-126
Studio Periods/Week	:4
Studio Periods / Semester	:72
Credits	:4
Internal Assignments & Mids	:50 Marks
External Examinations	:50 Marks
Total Marks	:100 Marks
Duration of Exam	:3 Hrs. (LabPractical Exam)

TIME SCHEDULE

Sl. No	Major Topics	No. of periods
1	Unit-I (Introduction of advanced model making)	16
2.	Unit – II (Carpentry)	16
3.	Unit – III (Creative model making)	16
4.	Unit – IV (Scale model making)	16
5.	Unit – V (Photographical Presentation)	8
	Total:	72

Note: Advanced Model Making – Practical Examination - 3 hrs duration

- The question paper to be set by external examiner in coordination with internal examiner (Paper setting remuneration shared equally by both)
- Student's examination answers outcome are the models etc. to be taken for evaluation mentioning Hall Ticket Number only and submit to the concerned.
- Outcome evaluation method is as follows:

Procedure followed	:10Marks
Final outcome	:30Marks
Viva	:10Marks
Total	:50Marks

Advanced Model making

COURSE OBJECTIVES:

To introduce various fabrication skills and techniques necessary to produce models of carpentry make, creative modelling, models to scale, real visuals of models and real buildings

so to encourage in preparation of models as an essential phase in design development and evaluation.

COURSE CONTENTS:

Unit : I

Introduction of advanced model making:

Study of various machines like laser cutting, model making machine jig-jag machine and etc.,

Exercises : At least two assignments involving the individual students to fabricate bridges, house and any shelter of animals

Unit : II

Carpentry : Introduction to the use of different types of tools and different types of joints used in carpentry. Joinery details which are commonly used in timber construction.

Application of surface finishes such as polish varnish, lacquer on wood & various types of veneers.

At least three major assignments involving the individual students to fabricate

- a) Scale model of a piece of furniture.
- b) Presentation of models.
- b) Mock-up of an everyday object.
- d) Three-dimensional forms etc.

Unit : III

Creative model making: Model making with scrape, paper, glass, cardboard, thermo Cole, acrylic and with any adoptable/relevant/applicable using relevant tools.

At least Two major assignments involving the individual students to fabricate

Unit : IV

Scale model making: Comprehensive Scale models of Pitched roof house /Bus shelter / Vehicles/Sentry cabin/Ice cream parlour/Exhibition stall/Coffe or Tea Stall/RTC Ticket Cabin/Filling Station/Gazebo/Counters. With the materials of Ethoflex, Mount board, Acrylic sheet, Glass, any adoptable material using the relevant tools.

At least four of different major assignments involving the individual students to fabricate.

Unit : V

Photographical Presentation: Study of the equipment, processes and procedures necessary for the photography of models, building exteriors and interiors pertaining to study of views, light and shadow, better picture used for presentations, real visualization of proportions, texture, colour rendering etc.

Exercises to be made at least for three types of models .

Reference books :

- **Bernald , S and Copplene, Myers.** History of Art.
- **Craven, C.Roy.** Indian Art a Concise History.
- **Krier, Rob.** Element of Architecture. Academy Education, London,1992.
- **Lang, Jon.** A Concise History of Modern Architecture in India .Permanent Black. Delhi, 2002.
- **Magnet, Jacque.** The Aesthetic Experiences: An anthropologist looks at the Visual Art.
- **Preble, Duame.** Art forms.
- **Snyder, C.James and Catanese,J.Anthony.** Introduction to Architecture
- **Tapert, Annette. Swid Powell:** Objects by Architects. Rizzoli, New Yerk.1990
- **Thyagarajan.** Basic practical photography
- **Ching Francis D.K** -Architecture: Form, Space and Order.
