

Contents:

INTRODUCTION TO WOOD and Substitute

Wood as a building material: Identification, selection, application, types of wood, commercial Classification, nomenclature, structure Anatomy and Ultra structure, Conversion figure and natural defects, availability of wood products, wood based panels such as plywood , MDF, HDF, Particle board , pre laminated boards etc .

THE BASICS OF FURNITURE CONSTRUCTION & TOOLS

Measurement and measurement systems, Furniture Construction: Drawers, Cadenza, dining chairs, sofa, settee, cots detail. Preparation for finishing, Furniture Materials Specifying timber, finishes etc .

Detailed construction drawings & explaining construction and material finishes.

PLYWOOD CONSTRUCTION TECHNIQUES

Plywood as a building material, Layout techniques and machining plans. _

Fabrication techniques - stapling, gluing.

Furniture Joinery - screw joinery, nail joinery, Mortise & tenon joints, Dovetail joints, Dowel joints, Edge joints.

MODULAR KITCHENS

Modular kitchens, components basis of Construction involving, layouts, carcass, hardware selection, fixing details finishes and special types such as tall units, grain trolleys, and carousels fold outs etc.

A detailed project involving the design of a small kitchen using modular components.

FURNITURE MODEL MAKING

Preparation of block models of furniture using wood, boards, leather, fabric, thermacol, clay, soap/wax etc.

Semester VI

Internship training for Period of 15 weeks.

Internship experience of working in the professional Interior Designers / Architects / Interior Office, duly enclosed by the principal of the college.

The candidates shall have to produce to the college the certificate, documents of completing the internship from the firm where they worked during training site visit details, documents, drawings, photographs, bills etc. duly signed by trainer for time.

Fourth Year

Semester VII

34. Interior Design– VI

Lecture / Studio Hours – **10 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

Contents:

- 1) One Interior Design problem of complete species with creative outlook (Theatres, corporate offices, computer centres, electronic offices, Industrial Adm. Offices, Shopping malls etc.)

Drawing include : Presentation drawings
 Enlarged details drawings, service layout drawings
 Views etc.

- 2) One time bound problem to theatres, corporate offices, Computer centers, electronic offices, Industrial Adm. Offices, Shopping malls etc.

35. Working Drawing – II

Lecture / Studio Hours – **8 periods per week**

Total work hours per semester = **8 x 15 = 120 periods**

Contents:

- 1) Working drawing and details of Interior Design IV project.
- 2) All furniture, flooring, ceiling, electrical, water supply, drainage, advanced services layouts with details.
- 3) In details of furniture, doors, windows etc of all types with specifications.

The drawings shall be sufficient to understand the design & fulfill the details required for estimation & tender form.

36. Professional Practice – I

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

Estimation tender documents, Contract documents, Specialized Services and execution procedure in respect of the Design problem develop under working drawing. I use of software for rate analysis, abstract, billing etc.

Valuation of Interior Schemes.

Introduction, Valuation, Price, Cost Value, Depreciation etc. Types of values & valuations.

37. Project Report

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

Any one interior project completed & having area minimum 300.00 sq.mt. of any type should be studied thoroughly & report should include:

- 1) Synopsis of project
- 2) Two detail case studies with thorough analysis of interior work & conclusions
- 3) Data collections
- 4) Finalization of requirements
- 5) Conclusions
- 6) Solution for space with concept

OR

Detail study of any element of interior with analysis eg. Furniture piece, accessories, colour, elevations, flooring, ceiling, materials etc.

- 1) Synopsis of project
- 2) Two detail case studies with thorough analysis of interior work & conclusions
- 3) Related data collections
- 4) Finalization of importance
- 5) Conclusions
- 6) Application with solution in interior space with concept

Two bound copies with one soft copy shall be necessary to submit before external exam.

38. Project Management

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

- 1) Principles of project management as applied in construction industry.
- 2) To study overview of design industry, project phase, scope
Essence of good working relationship with client & other team members of project
- 3) Concept of project management.
- 4) Application of P.M. tools like CPM, PERT to building & interior projects.
- 5) Cost, control, Quality control
- 6) Project monitoring.
- 7) H.R. in interior industry.

39. Interior Design Code

Lecture / Studio Hours – **4 periods per week**

Total work hours per semester = **4 x 15 = 60 periods**

Contents:

FIRE SAFETY CODES

Fire – combustibility – NBC – fire resistant rating of materials – fire fighting requirements – wet riser, dry riser, fire zones, fire escape stair case, fire alarms, smoke detectors and fire lifts.

CODES FOR LIGHTING

Measurement of illumination and luminous intensity – day light factor – sky luminance – ERC, IRC – light output ratio – recommended illumination levels for various spaces such as library, class room, garment factory, etc. Energy conservation in lighting.

CODES FOR VENTILATION

Ventilation rates – air changes per hour – relative humidity – cross ventilation, stack effect, recommended ventilation rates for kitchen, toilet, etc.

CODES FOR ELECTRICAL LAYOUT

Typical electrical layout for a building – location requirement for switch rooms and distribution panels – codes for fan points, power points and light points – PVC sheathed wiring system – protective earthing – earth electrode.

CODES FOR BARRIER FREE ENVIRONMENT

Requirement of toilets, corridors, etc. for handicapped persons – wheel chair clearances – ramps for handicapped, etc. according to ISO 9001 Standards

40. Elective II

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any one subject from the following & submit data collection & given assignment for the same. Any one.

a) Textile design.

INTRODUCTION TO FABRICS

Fabric, yarn and fiber structure, Fabric structure- woven- warp, weft, selvedge, knitted- course, non-woven, Fabric types and classification- woven, including plain, twill, satin, Jacquard, crepe and pile weaves, knitted- including single knit, double knit, tricot knit, pile knit, lace and net, non-woven-including felts webs and films, identification and properties of fabrics, yarns and fibers.

APPLICATION OF ELEMENTS AND PRINCIPLES

Application of elements and principles of design across a range of textiles.

Describe and analyze elements and principles of design -furnishings, textile arts, non-apparel.

Functional and aesthetic requirements and features of textile range.

COLOUR ON FABRICS

Fabric coloration and decoration- Principles of applying color to fabrics.

Textile arts and crafts in interiors, traditional and modern materials and methods.
Preparing samples on tie and die printing, batik printing, appliqué, macramé and braiding.

FURNISHINGS

Furnishings-classification, types of curtain, curtain construction, selection criteria relation to backgrounds in walls , floors and ceilings.

Slip covers , cushion covers , bed linen and table linen

Floor coverings -rugs and carpets, types selection , care and maintenance, installation of floor coverings

OTHER NATURAL MATERIALS

Jute or hessian – dyed jute fabric and its applications – various kinds of processed leather, its application in interior design.

b) Design Contextual studies.

ENTERTAINMENT SPACES

Study of interiors for entertainment buildings such as clubs, multiplex and amusement parks – schemes for video games parlour, food court areas and exclusive indoor game areas of clubs.

EDUCATIONAL SPACES

Study of interiors for class rooms, seminar halls and AV halls – schemes for library, smart class rooms and discussion areas.

SPORTING SPACES

Study of interior requirements foe gymnasium, indoor stadium and aquatic complex – schemes for interiors of stadium with focus on lighting requirements and visibility.

COMMERCIAL SPACES

Study of interiors in saloons, pubs, discotheque and banks, etc. - schemes for the same.

TRANSPORTATION SPACES

Study of interiors for airports, MRTS, railway stations and bus terminals – schemes for the same

Semester VIII

34. Project report- (thesis)

Lecture / Studio Hours – **30 periods per week**

Total work hours per semester = **10 x 15 = 150 periods**

Elective III

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any on subject from the following & submit data collection & given assignment for the same. Any one.

a) Interior Photography.

PRINCIPLES OF COMPOSITION

Rule of thirds, perspective-worm's eye view, normal eye view, bird's eye view, one-point perspective, two-point perspective, three point perspective, exercises in composition

PRINCIPLES OF PHOTOGRAPHY

Technical definitions, understanding a camera, anatomy of a SLR camera, technical setting in a SLR camera, different types of lenses

PRINCIPLES OF INTERIOR LIGHTING

Technical definitions, lighting sources, types of lighting fixtures, types of lamps, calculating lighting levels, flash photography, types of flashes, controlling lighting levels with flash photography

Exercise in interior lighting photography with artificial light and black and white photos

PRINCIPLES OF COLOUR

Color rendering in photographic medium, color rendering in photographs under different lighting condition, lighting colors and its effect on a photograph, color filters in a camera

Exercise on color photography of interiors

INTEGRATION

Project work/exercise in integrating all prior units

b) Marketing Technique.

WHAT IS MARKETING?

Introduction, definition, Organizational conditions and USP, Environmental factors, marketing concept – marketing strategy – marketing tactics, Planning, operation and Implementation.

BUILDING A MARKETING STRATEGY

Competitive settings, marketing decisions in a competitive setting, formulating overall marketing strategy, factors in selecting marketing inputs, the three C's of a marketing strategy, Components of a product/market strategy, hierarchy of strategies, how to develop a product/market strategy, finding a suitable market strategy.

UNDERSTANDING CUSTOMERS

How marketing influences society – economic aspects, buyers behavior, the environment, how society influences marketing – public opinion and political pressure, legislative action, pitfalls of neglecting customers, management mistakes, benefits of understanding customers, types of benefits, feature Vs benefits.

MANAGING VALUE

Components of perceived value, perceived value analysis, measuring perceived value, customer management, role of perceived value in competition, strategic themes, increasing perceived value.

ORGANISATIONAL CAPABILITIES AND MARKETING POSITIONING

Analysing competitors, capabilities and market strategies, types of capabilities, evaluating capabilities, competitive advantage and benefit advantage, macro trends, market segmentation, characteristics of market segment, determining a target market, role of segments and target market in marketing strategy, segment identification analysis, segments and decision making, market selection criteria,

types of market segments, what is positioning, competitive advantage analysis, determining positioning, positioning and perceived value.

Elective IV

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any one subject from the following & submit data collection & given assignment for the same. Any one.

a) Interior Acoustic.

INTRODUCTION TO ACOUSTICS

Definition, Theory of sound generation, transmission – reception of sound – Terms related to acoustics – sound waves, frequency, intensity, wavelength – measurement of sound.

ROOM ACOUSTICS

Characteristics of speech – Making of sound – Human ear characteristics – Behaviour of sound in enclosed space – Reverberation, RT, Optimum reverberation, simple exercise using Sabine's formula.

SOUND ABSORPTION, INSULATION, SOUND REINFORCEMENT

Sound absorption, absorption coefficient and their measurements – sound absorbing materials – sound insulation – materials – sound amplification and sound reinforcement.

NOISE CONTROL

Sources and types of noise – effect on human behavior, noise curves, transmission of noise – noise control – materials and techniques.

ACOUSTICS IN BUILDINGS

Design and detailing – Basic principles in designing of lecture halls, auditorium theatres, cinema halls, broadcasting studio, recording studio.

b) Creative art and craft.

INTRODUCTION TO CREATIVE ARTS AND CRAFTS

Introduction to creative arts and crafts in India – its application in interior design – materials – Art movements through history – Traditional arts and crafts of India – Folk arts of India

TRADITIONAL ARTS AND CRAFTS OF INDIA

Traditional arts and crafts of various states of India including – Tamilnadu, Karnataka, Kerala, Andhra Pradesh, Goa, Rajasthan, Gujarat, Kutch, Uttarpradesh, West Bengal, Orissa, Bihar, Jammu and Kashmir, etc.

ART MOVEMENTS IN POST MODERN INDIA

Art Movements in Post Modern India and their influences in Interior design – Abstract Expressionism, Pop art, Minimal art, Conceptual art – Neo Expressionism – Computers in Arts.

CREATIVE ART OBJECTS

Creating decorative art objects – picture framing, macramé, decoupage, wall hangers, ceramic painting, murals etc

PROJECTS

Assignment or projects on application of the Art in interior spacesuch as –
Reception, Lobby spaces, Theme Boutiques, Hotel, Restaurants, etc.