

## Second Year

### Semester III

#### 13. Graphics – III

Lecture / Studio Hours – **6 periods per week**

Total work hours per semester = **6 x 15 = 90 periods**

Contents:

- 1) Perspective & rendering – One pt measuring pt, Three wall.
- 2) Two pt measuring pt – Two Wall, Three wall.
- 3) Sciagraphy – basic.
- 4) Free hand drawing – perspectives & rendering of one pt three wall, two point two wall, two point three wall.
- 5) Planometric View.
- 6) Drawing 2D – detailing of interior items – Single items.

None : Assignment work shall be based on Interior Design II

#### 14. Interior Design – III

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

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

Contents:

- 1) One full scheme of residential interior having maximum types of residential activities upto 3 bedroom units.
  - a. Conceptual sketches.
  - b. Presentation drawing.
  - c. Large scale details of furniture items.
- 2) One time bound problems – any commercial interior, office, bank, showroom, shop, restaurant, fast food centre area 50 – 100 sqft.

#### 15. Technical Skills – III

Lecture / Studio Hours – **5 periods per week**

Total work hours per semester = **5 x 15 = 75 periods**

Contents:

- 1) Partitions – Single skin & double skin, traditional & innovative with composite materials.

2) False Ceiling – In plaster of paris, other innovative materials, construction terminology & details.

3) Mezzanine – Construction & details.

4) Staircase – Innovative composite material staircase for interior.

Materials & application - Paints, Distempers, Wall papers, Varnishes,

Ceramic products,

Thermal & Sound insulation materials

## **16. History of Interior – II**

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

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

Contents:

### **RECENT DIRECTIONS**

Design movements such as Late Modernism, High Technology, Post Modernism, and De Constructivism and Minimalism

### **NON EUROPEAN TRADITIONS**

Interiors in China, Japan & the Islamic World – Influences of Pre Columbian American art & culture, African influences in interiors

### **SCANDINAVIAN TRADITIONS**

Interior Design in Sweden, Finland, Norway.

Contributions of Architects such as Aalvar Alto, etc.

### **INDIAN TRADITIONAL DESIGNS**

Traditional Styles of design & decorations of homes & accessories across the states in India including Rajasthan, Gujarat, Andhra, Tamil Nadu, Madhya Pradesh etc.

### **PROJECTS**

Assignments on recent directions & Non European traditions, Traditional designs of India.

## **17. Interior Landscape Design – I**

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

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

Contents:

### **INTERIOR LANDSCAPING**

Definition, classification of plants, indoor plants and their functions, layout & components, Floriculture – commercial, ornamental, Selection of plants & pest control.

### **PHYSICAL REQUIREMENTS OF PLANTS**

Physical requirements of plants – light, temperature, water, planting medium, soil separator, weight of plants, acclimatization & maintenance.

Techniques to meet physical requirements.

### **INTERIOR LANDSCAPING ELEMENTS & PRINCIPLES**

Various interior landscaping elements – water bodies - pools, fountains, cascades

Plants, rocks, artifacts, paving & lighting, Design guidelines- plant texture & colour, plant height, plant spacing.

#### ROOF AND DECK LANDSCAPE

Protection of the integrity of the roof and structure, provisions for drainage, light weight planting medium, irrigation, selection of materials, water proofing, provision for utilities and maintenance.

#### EXERCISE ON INTERIOR LANDSCAPE

Courtyard design

An outdoor room design

Terrace garden

### **18. Computer – II**

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

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

Contents:

CAD and its advanced application.

- Creating & organizing 2D drawings
- All 2D drgs commands
- All 2d edit commands

Working in layers.

Presentation drawings.

Output of drawings through printers & plotters.

3D CAD drawings & views.

Note – Assignments to be based on Interior Design.

### **19. Interior Services – I**

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

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

Contents:

1) Sanitation.

- Sanitary fittings & fixing methods.
- Different materials.
- Different drainage system.
- Disposal methods.
- Sanitary layout of different interiors.

2) Water Supply.

- Different material accessories & fittings.

- Hot & cold water supply & its techniques.
- Underground & overhead water tanks.
- Water supply layout of different interior systems.

## **Second Year**

### **Semester IV**

#### **20. Graphics – IV**

Lecture / Studio Hours – **6 periods per week**

Total work hours per semester = **6 x 15 = 90 periods**

Contents:

- Presentation drawings – 2D plans & Sections.
- Detail drawings in 2D of interior items.
- Sectional views.

Note : Assignment work shall be based on Interior Design III & IV

#### **21. Interior Design – IV**

Lecture / Studio Hours – **12 periods per week**

Total work hours per semester = **12 x 15 = 90 periods**

Contents:

- 1) One commercial interior problem having area from 100 to 200 sqft.
- 2) One commercial interior problem of Shop or Showroom having area – 200 sq. mt.
- 3) One time bound problem having area 100 – 200 sq.mt. of commercial interior.

#### **22. Technical Skills – IV**

Lecture / Studio Hours – **5 periods per week**

Total work hours per semester = **5 x 15 = 75 periods**

Contents:

- 1) Paneling & cladding – Trimmer framed with building board paneling, Stone for paneling & cladding, cladding with other innovative materials.
- 2) Flooring – wooden, M.S, composite materials, Court & details
- 3) Doors – Rolling Shutters, Collapsible doors, sliding /revolving / Pivoted doors, innovative door design.
- 4) Modular furniture details
- 5) Lifts & escalator

Materials & its application - upholstery/curtain/carpets.  
Innovative flooring types  
Plastic  
Drapery & its fixing types / vented blinds  
Glass  
Hardware & fastenings.

Note : Assignment work shall be based on Interior Design II

### **23. Interior Services – II**

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

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

Contents:

1) Electrification:

- Light, lighting design, light sources & fixtures.
- Natural light, Artificial light.
- Supply system – A.C. / D.C. current, Single/three phase current.
- Wires, cables, Types of wiring, earthing.
- Generator / Battery back up system.
- Graphical symbols of electrification & electrical layout.
- Telephone, data cabling, T.V. cabling.

2) Fire protection:

- Definition
- Structural fire precautions
- Rules, fire resistance
- Fire fighting equipment, detectors, alarms etc.
- Fire resisting materials
- Means of escape

Note : Assignment work shall be based on Interior Design IV

### **24. History of Interior – III**

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

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

Contents:

Industrial Revolution & its effects.

Different styles in Interior design.

- a. Art Nouveau.
- b. Art Deco.
- c. Period style.
- d. Bauhaus
- e. Functionalism
- f. Modernism
- g. Post modernism
- h. Manimalism
- i. Eclecticism
- j. High tech & Hard edge style.

Note : Assignment work shall be as per content above.

## **25. Computers – III**

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

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

Contents:

2D presentation drawings with other than CAD software

CAD & 3 dimensional drawings views

Advance software like Google sketchup. 3D max etc. for 3D drawings presentation.

Use of photoshop, corel draw or related softwares for presentation.

## **26. Lighting Color and Interior – I**

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

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

Contents:

### **INTRODUCTION TO DAY LIGHTING**

Nature of light – Wavelength, Photometric quantities – intensity, Flux, illumination and luminence, visual efficiency, sources of light, day light factor concept, design sky concept, day lighting requirements.

### **ARTIFICIAL LIGHTING**

Electric lamps – incandescent, fluorescent, sodium vapour, mercury, halogen and neon. Different types of lights in interior and exterior - task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting.

### **EFFECT OF COLOR IN LIGHTING**

Colors, color schemes - Monochromatic, analogous, complementary colour schemes, triadic and tetradic schemes, effects of color in different areas, color temperature, psychological effects of colour in interiors, factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald system.

## LUMINARES & FIXTURES

Definition, different luminaries for lighting, lighting control system- benefits & application,

Impact of lighting, fixture types - free standing or portable, fixed, light fixture control.

Lighting accessories- switches, sockets, fused connection units, lamp holders, ceiling roses etc. CASESTUDY

Study of projects based on different lighting concepts used in interiors and exteriors

### Third Year

#### Semester V

#### 27. Interior Design – V

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

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

Contents:

One Interior Design problems of complete species with creative outlook (Hotels, Resorts, Hospitals, Educational buildings etc. – service industries)

Drawings include – presentation drawings, Enlarge detail drawings, Service layout drawings, views etc to understand clearly concept of design.

Area of Interior project should be @ 300.00 sq.mt. minimum

One Interior Design problem of any one type – Hotels, resorts, Hospitals, education building with proper.      Concept sketches.’

Presentation drawings

Enlarged details, elevation, sections, views, service layouts

One time bound problem of Hotels, Resorts, Hospitals etc. – Service industries.

#### 28. Working Drawing – I

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

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

Contents:

Working drawing & details of Interior Design II project. All furniture, flooring, ceiling, electrical, water supply, drainage layouts with details. 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.

#### 29. Interior Services – III

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