



மனோன்மணியம் சுந்தரனார் பல்கலைக்கழகம்

**Manonmaniam Sundaranar University**

**Syllabus for Diploma in Interior Designing  
Programme offered through Directorate of Vocational Education  
from 2023 -2024**



கல்விசார் நிலைக்குழுக் கூட்டம்

**MEETING OF THE STANDING COMMITTEE ON  
ACADEMIC AFFAIRS HELD ON 15.06.2023**

**Program Code: 5277**

## **DIPLOMA IN INTERIOR DESIGNING**

### **SCHEME OF EXAMINATION**

<b>Subject Code</b>	<b>Title Of The Course</b>	<b>Credit</b>	<b>Hours</b>	<b>Passing Minimum</b>
<b>SEMESTER I</b>				
C23ID11 / E23ID01	Fundamentals of Design	6	90	40/100
C23ID12 / E23ID02	Colour. Lighting& Furniture Interiors	6	90	40/100
C23ID13 / E23ID03	Draftsmanship	6	90	40/100
C19CE10 / E19CE10	Communicative English	6	90	40/100
C23ID14 / E23ID04	Basic Drawings & Graphics	4	120	40/100
<b>SEMESTER II</b>				
C23ID21 / E23ID05	Building Components & Materials	6	90	40/100
C23ID22 / E23ID06	Estimation & Costing	6	90	40/100
C19LS23 / E19LS05	Life Skill	6	90	40/100
C23ID24 / E23ID07	Design Concepts – Core Furniture & Furnishings	6	120	40/100
C23IDP1 / E23IDP1	Draftsmanship – Practical – 1 / Internship	8	150	40/100

**Eligibility for admission:** Pass in 12<sup>th</sup>std Examination conducted by the Govt. of Tamil Nadu Board of Secondary Education, Government of Tamil Nadu or any other equivalent Examination.

**Examination :** Passing minimum for each Course is 40%.classification will be done on the basis percentage marks of the total marks obtained in all of the Courses and given as below:

40% but less than 50% - Third Class  
50%but less than 60% - Second Class  
60% and above - First Class

**Theory Paper** Internal Marks-25  
External Marks-75

## **SYLLABUS**

### **SEMESTER I**

Course I	:	Fundamentals of Design
Course II	:	Colour. Lighting & Furniture Interiors
Course III	:	Draftsmanship
Course IV	:	Communicative English
Course V	:	Basic Drawings & Graphics

### **SEMESTER II**

Course VI	:	Building Components
Course VII	:	Estimation & Costing
Course VIII	:	Life Skill
Course IX	:	Design Concepts – Core Furniture & Furnishings
Course X	:	Draftsmanship – Practical - 1

**\*(Semester Pattern for Community College Only)**

### **Program Objectives**

- Communicate effectively using interpersonal skills.
- Utilize evidence-based interventions to achieve optimal adaptation.
- Safely perform and prioritize appropriate human care skills.
- Employ appropriate thinking to safely and effectively provide human care.

## **C23ID11/E23ID01 FUNDAMENTALS OF DESIGN**

### **UNIT I**

**- 18 HOURS**

Concept of Interior Design-Meaning of Interior Design and Interior Decoration. Historic review of Interior Decoration in India. Place of Interior Decoration in the modern era. Good Taste-Meaning, importance and how to develop a good taste .Objectives of Aesthetic Planning Beauty, Expressiveness, Functionalism.

### **UNIT II**

**- 18 HOURS**

Design – Definition, Meaning, Purpose. Types of design – Structural and Decorative – Requirements of good structural and good decorative designs. Classification of decorative designs – naturalistic, conventional, historic, geometric, biomorphic, abstract.

### **UNIT III**

**- 18 HOURS**

Elements of design – Meaning and Importance. Line and direction, form and shape, size, colour, light, ornamentation, texture and space – Application of elements to form designs.

### **UNIT IV**

**- 18 HOURS**

Principles of design – Balance, rhythm, emphasis, harmony, proportion - Meaning and application of design concepts in the interior and exterior houses and other commercial buildings.

### **UNIT V**

**- 18 HOURS**

Development of design from motives and application. Man as a consumer of design, qualities and role of a good interior designer, interior design – career options. Application of design in interior decoration.

### **REFERENCES**

1. Levine, M (1988) Living rooms, Rockport publishers, USA
2. Steapat, D.D., (1971), Introduction to Home Furnishing, The Mac millonCo, Newyork.
3. Pratap R.M (1988) Interior design principles and practice, Standard publishers distribution, Delhi
4. Faulkner,S.,andFaulkner.R,(1987),InsideToday’sHome,Rinehartpublishingcompany,New york..
5. Anna.H.Rutt (1961); Home furnishing, John Wiley Eastern Pvt Ltd,Newyork.

## **C23ID12/E23ID02 : COLOUR, LIGHTING AND FURNITURE INTERIOR**

### **UNIT I**

- 18 HOURS

Concept of colour. Significance of colour in the interiors and exteriors. Dimensions of colour– Hue, value and intensity, Effects of Hue, value and intensity. Colour therapy. Colour systems – Prang, Munsell and Ostwald. Colour harmonies-Mechanical- related and contrasting. Non mechanical-readymade and nature based. Factors considered in selecting colour harmonies.

### **UNIT II**

- 18 HOURS

Application of colour harmonies in the interiors and exteriors – Effect of light on colour– illusion of colour, psychology of colour. Importance of lighting. Artificial lighting – Light sources, Types – based on material, reflection, uses. Specific factors in lighting – measurement of lighting, location and direction, size and shape and colour. Economy in lighting. Psychological aspects of lighting. Glare- its types, causes and prevention.

### **UNIT III**

- 18 HOURS

Accessories-Meaning, Types-functional, decorative, both functional and decorative. Lighting accessories- fixtures, Lighting for areas and specific activities.

### **UNIT IV**

- 18 HOURS

Styles of furniture – traditional, contemporary and modern design. Furniture for different purpose – meaning need, factors influencing – climatic condition, family needs and preferences, availability, principles of design and financial limit. Familiar furniture materials – Wood – teak, rose wood, walnut, cedar, mahogany, pine, birch, sal, ply wood, bamboo, cane, metals, plastics, leathers, PVC.

### **UNIT V**

- 18 HOURS

Construction features of furniture – shaping, carving, turning, fluting, reeding, joining and finishes, upholstering – techniques and designs. Care and maintenance – wooden furniture, wicker and cane, metal furniture, plastic, PVC, upholstered furniture, wood finishes and furniture polishes.

### **REFERENCES**

1. Faulkner,R.andFaulkner,S.(1987),InsideToday'sHome,Rinehartpublishingcompany,NewYork ..
2. Judy.M,(1994),Color-How to see, how to paint it, Harpen calling publishers,London.
3. John.F.P, (1997), Color in Interior Design,Mc Graw Hill company, NewYork.
4. Jan orcharchd (1993) Lighting for a beautiful home, Dune style publishing Ltd.,USA.
5. Stawart and Sally.W, (1997), The complete home decorator, Annes publishers ltd, NewYork.
6. Stepat, D.D, (1971), Introduction to Home furnishings, The Mac Millan Co, NewYork.
7. Wilhide, E and Cope stick, I. (2000) contemporary decorating, conron octopus Ltd.,London.
8. Levine M (1998), Living rooms, Rockport publishers,USA.

## **C23ID13/E23ID03: DRAFTSMANSHIP**

### **UNIT I**

- 18 HOURS

Introduction to draftsmanship. Drawing office organization, layout of drawing studio. Need for training, Duties. Determining needs and wishes of the client. Relationship between two dimensional and three dimensional diagrams. Symbols –Importance, Architectural symbols, structural symbols, door symbols, window symbols.

### **UNIT II**

- 18 HOURS

Drafting Tools and Techniques – Drawing tools and their uses. Techniques adopted to handle the tools, Types of scales. Drafting mediums - Tracing paper, tracing cloth, water color paper, sketch paper, vellum, polyester film. Water supply – In residential building, multi-storied buildings. Sanitation –traps, waste water disposal- inspection chamber, septic tank and ventilation systems, sanitary fixtures and fittings, plumbing systems.

### **UNIT III**

- 18 HOURS

Layout of drawing sheets and title block Lines – types of lines, thickness of lines, hatching of section. Lettering

– Types, Requirements of good lettering, size of letters and numerals, space between letters, recommended height of letters, lettering technique. Orthographic projection – theory of orthographic projection, multi view orthographic projection, method of drawing section.

### **UNIT IV**

- 18 HOURS

Dimensioning – general principles, precaution in dimensioning, method of placing dimensions, unit of dimensioning, method of executing dimension, arrow heads. Isometric projection - need for study, pictorial drawings, isometric projection definition, principles, characteristics, isometric view and isometric projection.

### **UNIT V**

- 18 HOURS

Geometrical constructions Technical sketching – introduction – importance of freehand sketching, principles of free hand sketching - Perspective view - theory of perspective projection, technical terms in relation with perspective, classification of perspective, methods – one point perspective and two point perspective. Rendering Techniques \_ Tools used in rendering- pencil, eraser, short-bristled stipple brush, mechanical lines. Different textures, materials used in buildings, floor finishes, shadows.

### **REFERENCES :**

1. Prata. R.M (1988), Interior Design, Principles and Practice, Standard Publishers distribution, Delhi.
2. Natrarajan.K.V (1994), A Text book of Engineering drawing self – publication, Chennai.
3. Birdie.G.SandBirdie.J.S(2003), Civil Draughtsmanship, Theory and Practice. Dhanpat Rai publishing company (P) Ltd., New Delhi.
4. Venugopal.K.(2004) Engineering Graphics, 5th edition, New Age International Publishers, New Delhi.  
MAGAZINES Architectural Digest Inside Outside Society interiors House Layouts.

## C19CE10/E19CE10 - Communication Skills

1. Basic Grammar: - 18 HOURS
  - a. Review of grammar
  - b. Remedial study of grammar
  - c. Simple sentence
  - d. Word passive voice etc.
  
2. Bubbling Vocabulary: - 18 HOURS
  - a. Synonyms
  - b. Antonyms
  - c. One – work Institution
  
3. Reading and Understanding English - 18 HOURS
  - a. Comprehension passage
  - b. Précis – writing
  - c. Developing a story from hints.
  
4. Writing English - 18 HOURS
  - a. Writing Business letters.
  - b. Paragraph writing
  - c. Essay writing
  - d. Dialogue writing
  
5. Speaking English
  - a. Expressions used under different circumstances
  - b. Phonetics

### Reference :

1. V.H.Baskaran – “English Made Easy”
2. V.H.Baskaran – “English Composition Made Easy” (Shakespeare Institute of English Studies, Chennai)
3. N.Krishnaswamy – “Teaching English Grammar” (T.R.Publication, Chennai)  
“Life Skill” – P.Ravi, S.Prabakar and T.TamzilChelvam, M.S.University, Tirunelveli

## C23ID04/E23ID04- BASIC DRAWINGS & GRAPHICS

### Unit -1-

- 18 HOURS

Story of Design What is Design- Introduction to design -Role of Design in Society - Impact/function of Design - Indigenous Design Practices - Finer Communication Techniques (Gutenberg to Digital; movable types to digitally transferable posters/works etc.) - Printing/publishing technology. Role of design in the changing social scenario. Role and responsibility of Designers.

### Unit- II

- 18 HOURS

Basic Design: Development of aesthetic sensibility towards design - Elements of Design: (line, shape, Forms, space, colours etc.) -Principles of Design: Unity- Harmony, Balance, Rhythm, Perspective, Emphasis, Orientation, Radiation, Repetition and Proportion.

### Unit-III

- 18 HOURS

Calligraphy and Typography - Practice of writing by hand on the basis of study of traditional way of hand writing and script like Indian manuscripts, Persian, Chinese, Japanese and roman etc. Classification of the different types with their names and character, mode, weight, orientation, position & sizes.

### Unit IV –

- 18 HOURS

Society and Articulation: Design , Motifs, Patterns, etc. from society - Study, interact, observe and document the socio- cultural, prejudices and beliefs to form the clear understanding of the role motif place in communications system.

### Unit : V

- - 18 HOURS

Introduction to Computer: Creation, Modification and Presentation - Expression of artistic skills through different suitable software for producing digital images. Sketching and drawing -Sketching of natural and man made object and environment. Construction drawing.Representational drawing Simplification Drawing

### Referance Books

1. Basic Perspective Drawing: A Visual Approach by -John Montague 6<sup>th</sup> Edition,John Wiley & Sons, Inc.
2. Computer-aided Drawing and Design by by B. L. Davies & A. J. Robotham& A. Yarwood (auth.)
3. Computer Graphics: Principles and Practice by by John F. Hughes & David F. Sklar&James D. Foley & Steven K. Feiner& Kurt Akeley
4. Fundamentals of Computer Graphics by Marschner& Steve & Shirley & Peter - Fourth Edition – CRC Press- boca Raton – London



## C23ID21/E23ID05 -BUILDING COMPONENTS AND MATERIALS

### NUMBER OF CREDIT HOURS :

**SUBJECT DESCRIPTION :** This course presents the components of buildings , various building materials and methods of construction.

**OBJECTIVES:** Enable the students to 1.Become aware of the existing building materials and components. 2.Develop aesthetic concept of using building materials.

#### **UNIT – I - 18 HOURS**

Components of building - Foundation-Meaning, Functions, Types –Shallow – stepped, inverted arch, raft, grillage, cantilever. Deep – pile, pier, well. Masonry units – Meaning, Components and functions – Walls, Floors, Roofs.

#### **UNIT – II - 18 HOURS**

Beams, Columns, Lintels, Arch, Staircase ,Lift and Escalators – Meaning, Technical terms and Types.

#### **UNIT – III - 18 HOURS**

Building Materials –Stone, Brick, Cement, Sand, Timber, Steel, Plastic and Concrete – Classification, Qualities and Uses.

#### **UNIT – IV - 18 HOURS**

Masonry–Plastering,Mortar,Stonemasonry–rubbleandashlar.Brickmasonry –Header, Stretcher, English and Flemish.

#### **UNIT – V - 18 HOURS**

Methods of construction – Framed structure and Load bearing walls, Prefabrication, cast – in site. Recent advances in building materials.

### REFERENCES:

1. Ostrow.J. (2001), Painting rooms, Rockport publishers,USA.
2. Clifton.c.etal, (1995), The Complete Home Decorator, Conran octopus Ltd,London.
3. Spancer, H. and Churchill, (1990), Classic English Interiors, Anaya Publishers Ltd,London.
4. Innes,J. (1990), Exterior Detail, Collins and Brown Ltd,London.
5. Love.G. (2000), Insideout, Conron octopus Ltd,London.

## **C23ID22/E23ID06 - ESTIMATION & COSTING**

### **Unit-I: Estimate**

**- 18 HOURS**

Principle of estimation, units, item work, different kinds of estimates, different methods of estimation, estimation of materials in single room building, two room building, multi storey buildings, with different sections of walls ,foundation, floors and roofs, R.B and R.C.C works, Plastering, white washing, Distempering and painting, doors and windows, lump sum items, Estimates of canals, dams, barrages, Hilly roads etc.

### **Unit-II Specification of Works:**

**- 18 HOURS**

Necessity of specification types of specification, general specification, specification of bricks, cement, sand, water, lime, reinforcement, detailed specification for earthwork, cement, concrete, brickwork, flooring, D.P.C, R.C.C, cement plastering, white and colour washing, distempering, painting.

### **Unit-III Rate analysis**

**- 18 HOURS**

Purpose, importance and requirements of rate analysis, units of measurement preparation of rate analysis. Procedure of rate analysis for items: Earth work, concrete works, R.C.C works, reinforce brick work ,plastering ,painting ,finishing (white washing ,distempering)

### **Unit-IV Public Works Account**

**- 18 HOURS**

Tender and acceptance of tender, Earnest money, security money, retention money, measurement book, cash book, preparation, examination and payment of bills, first and final bills, administrative sanction, technical sanction.

Billing: maintenance of muster role, preparation of pay bill, measurement of work for payment of contractors.

Different types of payment: first & final, running advance and final payment.

Valuation: Purpose of valuation, principles of valuation depreciation, sinking fund, salvage & scrap value, valuation of a building: cost method, rental –return method.

Reference Books:

1. Dutta BN, Estimating & costing. Rangwala SC Estimating & Costing, Anand Charotar Book Stall.
2. Chakraborty, Estimate costing & specification in Civil Engineering.
3. 2. Kohli & Kohli, A text book on estimating & costing (Civil) with drawings Ambala Ramesh Publications.

## **C19LS23/E19LS05 : LIFE SKILLS**

### **Unit - I Life Coping or adjustment**

- (a) External and internal influence in one's life
- (b) Process of coping or adjustment
- (c) Coping with physical change and sexuality
- (d) Coping with stress, shyness, fear, anger far live and criticism.

### **Unit - II Attitude**

- (a) Attitude
- (b) Self acceptance, self – esteem and self actualization (c) Positive thinking

### **Unit - III Problem Solving**

- (a) Goal Setting
- (b) Decision Making
- (c) Time Management and stress Management.

### **Unit - IV Computers**

- (a) Introduction to Computers (b) M.S.Office
- (c) Power Point

### **Unit - V Internet**

- (a) Introduction to internet (b) E – mail
- (c) Browsing

#### **References:**

1. 1) Life Skill Programme course I & II by Dr. Xavier Alphona MCRDCE Publications. R.K.Mutt Road, Chennai – 28
2. “Life Skill” –P.Ravi, S.Prabahar&T.TamilChelvam, M.S. University, Tirunelveli

**C23ID24/E23ID07/Design Concepts – Core Furniture & Furnishings**

**NUMBER OF CREDIT HOURS : 3**

**SUBJECT DESCRIPTION:**

This practical paper contains the design development, motif development, display of art objects, arranging different areas of an interior. OBJECTIVES: To draw different types of design, develop design by using motifs. Acquire skill in arranging different areas of a house by using principles of design.

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And also designing of furniture for various purposes and construction of curtains and draperies. OBJECTIVES: To enable the students to draw different types of furniture and evaluating them. Develop skill in construction of soft furnishings and types of pleats.

CONTENTS:

**- 18HOURS**

1. Draw structural/ decorative design and comment on its features.
2. Draw a decorative design of your own interest by showing the method of application in greeting card/ art objects.
3. Evaluate the given art objects. **- 18 HOURS**
4. Develop a motif suitable for foot mat/ window grill/table mat/furnishing materials.
5. Display art objects showing the principle of design.
6. Arrange a living room / drawing room / pooja room / bed room / Adolescent boy / girl's room / children's room showing any colour harmony and principles of design.
7. Arrange a birthday party for a preschool child. Arrange an area for multipurpose activities.

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1. Draw different types of furniture with regard to activity **- 18 HOURS**
2. Evaluate the given furniture in terms of materials, construction details, uses care and maintenance, age group, hours of use, durability, budget.
3. Construct curtains, cushions pillow covers with different types of pleats.- **18 HOURS**
4. Drawing of furniture templates. Placement of furniture in various rooms-living room, bed room, dining room

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**C23IDP1/E23IDP1: CORE PRACTICAL II – DRAFTSMANSHIP**

**NUMBER OF CREDIT HOURS :3**

**SUBJECT DESCRIPTION:** This course deals with the effective use of drafting tools to draw pictorial and perspective drawing.

**OBJECTIVES:** To enable the students to make use of drafting tools. To draw pictorial and perspective drawing.

**CONTENTS**

1. Architectural lettering. - - 72 HOURS
2. Pictorial drawing – orthographic, isometric drawings–Geometrical constructions–table, chair, staircase, rooms.
3. Perspective drawings – Visual ray method, Vanishing point method–one point perspective and two point perspective.
4. Kitchen drawings – Types and three dimensional view (isometric view).
5. Rendering and presentation - Blue prints and ammonia prints.
6. Submission of record.

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