

PROPOSED CURRICULAM AND SYLLABI OF
FULL-TIME DIPLOMA COURSES IN
INTERIOR DECORATION
(PART – II SEMESTER-3rd)
W.E.F.2019-20



WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

(A Statutory Body under West Bengal Act XXI of 1995)

"Kolkata Karigori Bhavan", 2nd Floor, 110 S. N. Banerjee Road, Kolkata – 7 00013

Course Structure of 3rd Semester, Diploma in Interior Decoration
[As per guidelines of AICTE]

Sl. No	Type	Course Title	Course code	Credit	Periods/wk	Marks
1	Theory	Evolution of Interior Design – I	ID/3/T1/EVID-I	3	3	100
2	Theory	Materials & Construction – I	ID/3/T2/MC-I	3	3	100
3	Theory	Indian Art	ID/3/T3/IA	2	2	50
4	Theory	Introduction to Structures	ID/3/T4/IST	3	3	100
5	Theory	Environmental Science	AU102	0	2	50
Subtotal (Theory)				11	13	400
6	Sessional	Space Planning	ID/3/S1/SP	2	3	100
7	Sessional	Graphics – I	ID/3/S2/GR-I	3	4+1	75
8	Sessional	Interior Design & Drawing - I	ID/3/S3/IDD-I	3	4+1	100
9	Sessional	CAD Lab - I	ID/3/S4/CAD-I	3	4+1	50
10	Sessional	Market Study - I	ID/3/S5/MS-I	1	2	50
Subtotal (Sessional)				12	20	375
Total				23	33	775

EVOLUTION OF INTERIOR DESIGN – I

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 100	
ID/3/T1/EVID-I	3 rd Semester	17 weeks	3 lectures	Int. Assess. 30	Examination 70

OBJECTIVE

This course aims to inculcate an awareness and appreciation among the students about the evolution of art and architecture, its growth and development through ages, with specific reference and focus on the interior spaces- for living, working, entertainment and worship. The following styles and influences would be the subject of study, in order to chart the development process.

MODULAR DIVISION

Group	Module	Topic	Contact Periods
A	1	Ancient Era	6
	2	European Classical	6
	3	Medieval & Renaissance Europe	5
B	4	Europe & America (16 th Century– 19 th Century)	14
	5	Modern Era	14
Contact Periods 45		Internal Assessment 6	Total Periods 51

EVALUATION SCHEME

1. Examination (70 marks)

Group	Module	Objective Questions				Subjective Questions			
		To be Set	To be answered	Marks/q uestion	Total Marks	To be set	To be answered	Marks / question	Total marks
A	1,2,3	10	Any Twenty	One	1x20= 20	4	Any five (at least One from each group)	10	10x5=50
B	4.5	15				5			

2.Internal Assessment (30 marks)

- a. Mid Semester: 20 marks
- b. Teacher’s assessment: 10 marks (Attendance and seminar / homework / class performance etc.)

MATERIALS & CONSTRUCTION – I

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 100	
ID/3/T2/MC-I	3 rd Semester	17 weeks	3 lectures	Int. Assess. 30	Examination 70

OBJECTIVE

The course aims to provide knowledge of basic structural components of a Building, idea of materials, their properties and construction techniques, which enables students to prepare scaled drawings of the sectional details as a whole or part of the building depicting various necessary layers of materials, mix and dimensions.

MODULAR DIVISION

Group	Module	Topic	Periods	Group	Module	Topic	Periods
A	1	Stones	2	B	5	Masonry	9
	2	Bricks & Other clay products	4		6	Lintels and Arches	9
	3	Mortars and concrete	6		7	Doors& Windows	9
	4	Wood and Wood Products	6		-	-	-
Contact Periods 45			Internal Assessment 6			Total Periods 51	

EVALUATION SCHEME

1. Examination (70 marks)

Group	Module	Objective Questions				Subjective Questions			
		To be Set	To be answered	Marks/question	Total Marks	To be set	To be answered	Marks / question	Total marks
A	1-4	15	Any Twenty	One	1x20= 20	6	Any five (at least One from each group)	10	10x5=50
B	5-7	10				3			

2. Internal Assessment (30 marks)

- a. Mid Semester: 20 marks
- b. Teacher’s assessment: 10 marks (Attendance and seminar / homework / class performance etc.)

DETAIL COURSE CONTENT

GROUP A	MATERIALS	18 periods
Module 1	Stones	2 periods

Definition of stones, Geological, Physical & Chemical classification of stone-Suitability of uses of different stones
 Characteristics of good building stones, Dressed surfaces of stones, Artificial Stones-Definition, different types and their uses,
 Deterioration of stone - Preservation of stones

Module 2 Bricks & Other clay products 4 periods

Materials for bricks - Classification of Bricks - Sizes of bricks, Orientation of bricks , Properties and uses of bricks - Advantages and Disadvantages of bricks , Burnt-clay hollow brick, Fire clay brick, Fly-ash brick, Autoclaved aerated concrete bricks (Definitions & Uses) - Clay-tiles: Flat & curved pan tiles – Half-round country tiles – Mangalore tiles (Definitions & uses) , Terracotta – Porcelain – Stoneware- Earthenware – Glazing (Definitions & uses) – Vitrifying (Definitions & uses)

Module 3 Mortars and Concrete 6 periods

Definition of Concrete - Concrete making materials: Cement, Lime, Aggregates - Water-their types, properties & functions - Storage of cement - Properties of concrete - Strength, Durability-Water - cement ratio-Workability, Principal types of concrete: P.C.C-R.C.C-Definitions, Advantages, Disadvantages and Uses, Non-conventional Concrete: Pre-cast, Prestressed, Ferrocement-FRC (Definitions and uses), Mortar-Definition-Classification of mortars on the basis of binder materials-Cement, Lime, Mud, Surkhi, Gypsum - Functions and suitability of uses: Cement mortar- Lime mortar - Mud mortar - Composite mortar-Gypsum mortar

Module 4 Wood and Wood Products 6 periods

Classification of trees: Exogenous & Endogenous – Structure of timber - Characteristics of good timber – names of commonly used good quality timber - Defects in timber, Preservation & Seasoning of timber, Wood products: Veneer – Plywood – Laminated Board – Block Board – Batten board – Composite boards – Fiber board – Particle board (Definitions & uses)

GROUP B CONSTRUCTION 27 periods

Module 5 Masonry 9 periods

Technical terms associated with Stone masonry- General principles to be followed in Stone Masonry, Types of Stone masonry: Rubble work & Ashlar work(Concept and Uses only). Technical terms associated with Brick masonry - General Principles to be followed in Brickwork - Bonds in Brickwork: English, Flemish, Rat-trap, CBRI

Module 6 Lintels and Arches 9 periods

Definitions – Spanning of Openings- Post & Lintel opening, Arch Opening, Limitation in masonry opening - Typical detail of a masonry window opening showing sill, lintel & chajja projection – Types of Lintel: Based on Material (with or without chajja), Typical detail of an arched opening showing various parts of arch – Types of Arches based on material and geometrical shapes.

Module 7 Doors& Windows 9 periods

Types of Doors based on operation & material: Swing door – Revolving door – Sliding door – Folding door – Collapsible door – Rolling shutter – Fire door – Detail of Timber Doors: Paneled door– Flush door- Rolling Shutter door - Details of Aluminum Doors: Swing door – Sliding door

Types of Windows based on operation (Concepts and Uses only): Fixed Window – Casement Window – Sliding window – Pivoted Window – Louvered (or Venetian) Window – Bay Window – Clerestory Window – Corner Window – Dormer Window

Windows of Timber (in detail): Paneled & Glazed timber casement window - Windows of Steel (in detail): Glazed fixed & Casement steel window - Windows of Aluminium(in detail): Sliding Aluminium Window

SUGGESTED READINGS

- Building Construction Volume, I, II, III & IV (Metric Ed.) / J. K. McKay & W. B. McKay / Orient Longman
- The Construction of Buildings Volume 1, 2, 3, 4 & 5 / R. Barry / English Language Book Society
- A Text Book of Building Construction / S. P. Aurora & S. P. Bindra
- Building Construction/Sushil Kumar/Standard Book House
- Building Construction/P.C.Varghese/Prentice Hall of India, New Delhi
- Building Materials /S.K. Duggal/New Age International

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INDIAN ART

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 50	
ID/3/T3/IA	3 rd Semester	17 weeks	2 lectures	Int. Assess. 15	Examination 35

OBJECTIVE

The course aims to inculcate an awareness and appreciation among the students about variety of Indian Art forms that has developed through ages. On its way to modern times, Indian Art has had cultural influences as well as religious influences. The course specifically focuses on paintings, relief work and sculpture, their origin, characteristics, different styles and eminent artists.

MODULAR DIVISION

Group	Topic	Module	Contact Periods
A	Paintings	1	6
		2	6
		3	3
B	Relief	4	3
C	Sculpture	5	6
		6	6
Contact Periods 30		Internal Assessment 4	Total Periods 34

EVALUATION SCHEME

1. Examination (35 marks)

Group	Module	Objective Questions				Subjective Questions			
		To be Set	To be answered	Marks/question	Total Marks	To be set	To be answered	Marks / question	Total marks
A	1,2,3	9	Any Ten	One	1x10= 10	3	Any five (at least One from each group)	5	5x5=25
B	4	3				2			
C	5,6	6				4			

2. Internal Assessment (15 marks)

a. Mid Semester: 10 marks

b. Teacher's assessment: 5 marks (Attendance and seminar / homework / class performance etc.)

DETAIL COURSE CONTENT

GROUP A	PAINTINGS	15 periods
Module 1		6 periods

Royal: Evolution and history, Characteristics, Themes/Schools, Pioneers and Artists of Mughal Painting, Rajput Painting, Thanjavur Painting and Miniature Art.

Module 2		6 periods
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Folk: Origin, Characteristics, Process flow of making, Themes/ Style, Use of colors and Prominent artists of Madhubani Art, Kalamkari Art, Warli Art and Pattachitra.

Module 3

3 periods

Mural Painting: Definition, Difference between a painting and a mural, Purpose of mural, Mural paintings in India.

GROUP B RELIEF

3 periods

Module 4

3 periods

Relief: Definition, Types- Low-relief or Bas-relief, Mid-relief, High relief, Sunk relief, Counter-relief, Small objects.

GROUP C SCULPTURE

12 periods

Module 5

6 periods

Sculpture: Definition, Types of sculpture, Difference between “Monumental sculpture” and “Relief sculpture”, Techniques and Materials, Types of Indian Sculpture: Wooden sculptures, Bronze sculptures, Stone sculptures, Sand sculptures.

Module 6

6 periods

Indian Sculpture: Types of Indian Sculpture: Wooden sculptures, Bronze sculptures, Stone sculptures, Sand sculptures; Study on five prominent sculptures of India: The Ashoka Pillars, Sanchi Stupa, Ajanta Caves, Kailasa Temple, Dancing Girl of Mohenjodaro.

SUGGESTED READINGS

- History of Art /H.W. Janson/ Prentice Hall and Harry Abrams; 5Theory Revised & enlarged edition (1995)
- Indian Art/Roy. Craven/ Themes & Hudson
- The Arts of India/Basil Gray/Phaidon (1981)
- Indian Art/ParthMitter/Oxford University Press
- History of Indian Art/ Kajal Kanjilal/ Saraswati House Pvt Ltd

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INTRODUCTION TO STRUCTURE

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 100	
ID/3/T4/IST	3 rd Semester	17 weeks	3 lectures	Int. Assess. 30	Examination 70

OBJECTIVE

The subject aims at imparting the students the concept of different types of loads acting on the structural members like beams, columns and tension members. It includes the concept of the properties and behavior of such structural members against bending, shear and deflections under loaded condition. It also includes the concept of utility of specific structural parts of frame or truss in industrial practice.

MODULAR DIVISION

Module	Topic	Periods	Module	Topic	Periods
1	Introduction	2	5	Bending Stress	6
2	Beams & Supports	3	6	Slopes and Deflections	6
3	Shear Force & Bending Moment	8	7	Columns and Struts	6
4	Centre of Gravity and Moment of Inertia	6	8	Trusses and Frames	8
Contact Periods 45		Internal Assessment 6		Total Periods 51	

EVALUATION SCHEME

1. Examination (70 marks)

Module	Objective Questions				Subjective Questions			
	To be Set	To be answered	Marks/question	Total Marks	To be set	To be answered	Marks / question	Total marks
1,2,3,4	12	Any Twenty	One	1x20= 20	8	Any five	10	10x5=50
5,6,7,8	13							

2. Internal Assessment (30 marks)

- a. Mid Semester: 20 marks
- b. Teacher's assessment: 10 marks (Attendance and seminar / homework / class performance etc.)

DETAIL COURSE CONTENT

Module 1 Introduction 2 periods

Concept of different types of loads, like Point Load (vertical & inclined), UDL, UVL, Shear, Bending, Torsion, Tension, Compression, etc. & their action with effects.

Module 2 Beams and Supports 3 periods

Different Types of Beams (Simply Supported, Continuous, Over Hang, Cantilever etc.) & different types of support conditions (Fixed, Hinged, Roller, Propped etc.) simple problems

Module 3 Shear Force & Bending Moment 8 periods

Computing support reactions & drawing Shear Force & Bending Moment Diagrams of different types of loaded beams (simply supported, cantilever, & overhang)

Module 4 Centre of Gravity and Moment of Inertia 6 periods

Concept of C.G. & Moment of Inertia, & to calculate them for different beams & column sections. Concept of Radius of Gyration

Module 5 Bending Stress 6 periods

Concept of Bending Stress & Flexural Rigidity of loaded beams. Simple problems

Module 6 Slopes and Deflections 6 periods

Introductory knowledge for Slopes & Deflections. Simple problems (Simply Supported Beam, Cantilever & Overhang)

Module 7 Columns and Struts 6 periods

Columns & Struts with different support conditions. Concept of Long Column & Short Column. Simple problems using Euler's Theory & Rankine's Theory

Module 8 Trusses and Frames 8 periods

Concept of Static Determinacy & Indeterminacy. Concept of Perfect, Deficient & Indeterminate Frames. Analysis of simple truss or frames by Method of Joint & Method of Section. Overview of Structural Arrangement & their different parts with their nomenclature (e.g. Rafter, Tie, Sling, Purlin, Gutter, Gable End, Ridge-Cover, Eaves End etc.)

SUGGESTED READINGS

- Strength of Materials / S. Ramamurtham & R. Narayanan / Dhanpat Rai & Sons, Delhi
- Strength of Materials / M. Chakraborty / S. K. Kataria & Sons, Gurunanak Market, Delhi
- Theory of Structures / R. S. Khurmi
- Treatise of Structural Mechanics / SOME MUKHERJEE
- Analysis of Structures Vol I / V. N. Vazirani & M. M. Rathwani / Khanna Publishers, Delhi
- Basic Structural Analysis / Reddy / Tata McGraw-Hill

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Module 4 Shops

12 periods

Showroom of a Jewelry Shop – Boutique – Garment’s Shop – Leather goods’ shop – Banks – Department stores – Public restrooms – Toilets and Coatrooms - Restrooms

ASSIGNMENT

Description	Details
Students are required to make Furniture Facilitation Sheet learning all necessary data of space planning of the related module.	Assignments are to be carried out in a journal-form on large size square grid pad and/or drawn to scale on A2 size drawing sheet as per instructions.

SUGGESTED READINGS

- Human Dimension and Interior Space: A Source Book of Design Reference Standards/Julius
- Panero, MartinZelink/ Watson-Guptill Publications
- Time Saver Standards for Interior Design and Space Planning/Joseph De Chiara,JuliusPanero and Martin Zelink/ Mcgraw-Hill(Tx); 1st edition (1991)
- Space Planning Basics/Mark Karlen, RobFleming/John Willey& Sons
- Time Saver Standards for Building Types/Joseph De Chiara, and John Hancock Callender/Mcgraw-Hill

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GRAPHICS – I

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 75	
ID/3/S2/GR - I	3 rd Semester	17 weeks	4 Practical & 1 tutorial	Int. Assess. 50	Ext. Assess. 25

OBJECTIVE

This subject aims that the students learn the graphical language which is used extensively in communicating design thought; constructional methods and techniques in the form of technical drawings presentation to a definite proportion and scale by using 3D views with Perspective Projections. It also intends to equip the students to visualize the design in an effective and realistic manner by incorporating landscape elements and human figure in the drawing.

MODULAR DIVISION

Group	Module	Topic*	Contact Periods [#]	No. of sheets
A	1	Axonometric Projection Systems (Dimetric, Trimetric and Isometric) of simple solids; learning of scales	10	1
	2	Isometric View of interior of a residential unit	10	1
B	3	Two-point perspective projections of Lamina & Solid	8	1
	4	Two-point perspective projection of Interiors of Residential space	8	1
C	5	One-point perspective projection of Interiors of Residential space	12	2
D	6	Perspective view of Interiors of other than residential like commercial, office etc.	12	1

*Assignments are to be carried out in a journal-form on large size square grid pad and/or drawn to scale on A2 size drawing sheet as per instructions.

#The periods exclude tutorials

EVALUATION SCHEME

Name of the course	Marks Allotted
Graphics - I	a. Continuous internal assessment of 50 marks is to be carried out by the teachers throughout the semester b. External assessment of 25 marks shall be held at the end of the Semester on the entire syllabus

SUGGESTED READINGS

- Geometrical Drawing for Students / L. H. Morris / Longman, Green & Co.
- Manual of Rendering with Pen and Ink / Robert W. Gill / Thames and Hudson
- Art of Perspective Drawing / Simon Graco / Walter Brooks
- Engineering Drawing / N.D. Bhat / Charotar Publishing House Pvt. Ltd

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INTERIOR DESIGN & DRAWING – I

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 100	
ID/3/S3/IDD - I	3 rd Semester	17 weeks	4 Practical & 1 tutorial	Int. Assess. 50	Ext. Assess. 50

OBJECTIVE

This subject aspires to acquaint the students with basic terminologies related to interior design for representing intellectual and creative skills in simple activity based residential space. It also aims at the development of professional design acumen among students in appropriate use of building materials, construction techniques, common services and consideration of climatic aspect.

MODULAR DIVISION

Module	Topic	Contact Periods
1	Definitions of Basic terminologies	2
2	Design	28
3	Drawing	30
-	Tutorials	15

EVALUATION SCHEME

Name of the course	Marks Allotted
Interior Design & Drawing-I	a. Continuous internal assessment of 50 marks is to be carried out by the teachers throughout the semester b. External assessment of 50 marks shall be held at the end of the Semester on the entire syllabus

DETAIL COURSE CONTENT

Module 1 Definitions of Basic Terminology 2 periods

Definitions of terms like Balcony, Chajja, Chowk or Courtyard, Chowk, Inner, Chowk, Outer, Covered Area, Garage, Private, Garage, Public, Mandatory Open Space, Parapet, Parking Space, Partition, Plinth, Plinth Area, Storey, Storey- Topmost, Verandah, Water-Closet, Window , Carpet Area , False Ceiling, Loft, Niche, Alcove , Arch, Column, Beam, Slab, Strut etc. as per the National Building Code of India.

Module 2 Design 28 periods

While evolving the design, ideas should be given regarding: Site analysis highlighting ‘location’, ‘orientation’ and ‘access’; Influence of materials on interior space; Grouping of furniture and circulation; Consideration of services for effective utilization of space; Learning of theme based interior design; Preparing Case studies, Observations and Analysis of Space

Module 3 Drawing 30 periods

Students are required to prepare and present scaled plan/s, sectional elevations, technical representations, (minimum 1:25 scale) and proportionate 3D visuals all drawn and colour rendered manually that depict concept design and case studies.

ASSIGNMENT

Description	Details
A residential space not more than 50 sqm will be provided by the teacher indicating openings and structural members (beams, columns, struts etc.).	Scaled drawings will be presented by the students on 6 nos. of A1/ A2 size drawing sheets

SUGGESTED READINGS

- The Interior Design Reference & Specification Book/Linda O’Shea, Chris Grimley, Mimi Love
- Interior Design Course: Principles, Practices and Techniques for Aspiring Designer/TomrisTangaz/Barron’s
- Neufert Architect’s Data/EmstNeufert/Wiley-Blackwell
- National Building Code
- Time Saver Standards for Interior Design and Space Planning/Joseph De Chiara, Julius Panero and Martin Zelink/Mcgraw-Hill (Tx)
- Time Saver Standards for Building Types/Joseph De Chiara, and John Hancock Callender/Mcgraw-Hill Subsequent Edition

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CAD LAB – I

Subject Code	Course offered in	Duration	Periods/Week	Full Marks 50	
ID/3/S4/CAD - I	3 rd Semester	17 weeks	4 Practical & 1 tutorial	Int. Assess. 30	Ext. Assess. 20

OBJECTIVE

The course aims to inculcate the knowledge of basic commands along with tools necessary for professional 2D drawing, design and drafting using AutoCAD software. It also aims at enabling the students in competency of plotting their drawings in printed form.

MODULAR DIVISION

Module	Topic	Contact Periods		Module	Topic	Contact Periods	
		Lecture	Sessional			Lecture	Sessional
1	Getting Started	1	5	7	Raster Commands	1	2
2	Drawing & Editing Commands	2	10	8	Hatching	1	2
3	Drawing Aids	1	3	9	Blocks	1	2
4	Creating Text	1	2	10	Practice with Complete Drawing	5	20
5	Inquiry Commands	1	2	11	Plotting Drawings in AutoCAD	2	5
6	Dimensioning	2	4	-	-	-	-

EVALUATION SCHEME

Name of the course	Marks Allotted
CAD Lab - I	a. Continuous internal assessment of 30 marks is to be carried out by the teachers throughout the semester b. External assessment of 20 marks shall be held at the end of the Semester on the entire syllabus

DETAIL COURSE CONTENT

Module 1 Getting Started

1 Lecture and 5 Sessional periods

Starting AutoCAD – AutoCAD screen components – Starting a drawing: Open drawings, Create drawings (Start from scratch, Use a template & Use a wizard) – Invoking commands in AutoCAD – Drawing lines in AutoCAD – Co-ordinate systems: Absolute co-ordinate system, Relative co-ordinate system – Direct distance method – Saving a drawing: Save & Save As – Closing a drawing – Quitting AutoCAD file – Concept of Object – Object selection methods: Pick by box, Window selection, Crossing Selection, All, Fence, Last, Previous, Add, Remove – Erasing objects: OOPS command, UNDO / REDO commands – ZOOM command – PAN command, Panning in real time – Setting units – Object snap, running object snap mode – Drawing circles

Module 2 Drawing & Editing Commands

2 Lecture and 10 Sessional periods

L command - ARC command – RECTANG command – ELLIPSE command, elliptical arc – POLYGON command (regular polygon) – PLINE command – DONUT command – POINT command – Construction Line: XLINE command, RAY command – MULTILINE command - MOVE command – COPY command – OFFSET command – ROTATE command – SCALE command – STRETCH command – LENGTHEN command – TRIM command – EXTEND command – BREAK command – CHAMFER command – FILLET command –

ARRAY command – MIRROR command – MEASURE command – DIVIDE command – EXPLODE command – MATCHPROP command – Editing with grips: PEDIT- Breaking line into specific divisions: BREAK command – Scale of drawings: SC command

Module 3 Drawing Aids 1 Lecture and 3 Sessional periods

Layers – Layer Properties Manager dialog box – Object Properties: Object property toolbar, Properties Window – LTSCALE Factor – Auto Tracking – REDRAW command, REGEN command

Module 4 Creating Text 1 Lecture and 2 Sessional periods

Creating single line text – Drawing special characters – Creating multiline text – Editing text – Text style

Module 5 Inquiry Commands 1 Lecture and 2 Sessional periods

AREA – DIST – ID – LIST – DBLIST – STATUS – DWGPROPS

Module 6 Dimensioning 3 Lecture and 2 Sessional periods

Fundamental dimensioning terms: Dimension lines, dimension text, arrowheads, extension lines, leaders, centre marks and centerlines, alternate units – Associative dimensions – Dimensioning methods – Drawing leader
Editing dimensions by stretching – Editing dimensions by trimming & extending – Editing dimensions: DIMEDIT command – Editing dimension text: DIMTEDIT command – Updating dimensions – Editing dimensions using the properties window – Creating and restoring Dimension styles: DIMSTYLE

Module 7 Raster Commands 1 Lecture and 2 Sessional periods

Explaining Raster – Importing JPEG file in Auto-cad – Access to Raster Design toolset

Module 8 Hatching 1 Lecture and 2 Sessional periods

BHATCH, HATCH commands – Boundary Hatch Options: Quick tab, Advance tab – Hatching around Text, Traces, Attributes, Shapes and Solids – Editing Hatch Boundary – BOUNDARY command

Module 9 Blocks 1 Lecture and 2 Sessional periods

The concept of Blocks – Converting objects into a Block: BLOCK, _BLOCK commands – Nesting of Blocks – Inserting Blocks: INSERT, MININSERT commands – Creating drawing files: WBLOCK command – Defining Block Attributes – Inserting Blocks with Attributes – Editing Attributes- Breaking block: X command

Module 10 Practice with Complete Drawing 5 Lecture and 20 Sessional periods

Each student is required to prepare a set of orthographic projections of a Furniture/ plan of Interior space designed by himself / herself or of any other design approved by the teacher-in-charge.

Module 11 Plotting Drawings in AutoCad 2 Lecture and 5 Sessional periods

PLOT command – Plot Configuration – Paper Size & Orientation Area – Plot Rotation & Origin – Plotting Area – Scale – Plotting in PDF file – Plotting in direct plotter

SUGGESTED READINGS

- Inside AutoCAD/ H.Rice, Daniel Racker/New Riders Publishing
- Mastering AutoCAD and AutoCAD LT/George Omura Brian C.Benton/Wiley
- Advanced Techniques in AutoCAD/Robert Thomas/Wiley, John& Sons Incorporated

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