

MATS **UNIVERSITY**

School of **Fashion Designing & Technology**



Diploma In Interior Designing & Decoration

REGULATIONS, SCHEME OF STUDY AND SYLLABI

Syllabus 2015-2016

MATS UNIVERSITY
Diploma In Interior Designing & Decoration
REGULATIONS

Introduction:

This program emphasizes the student to pursue a professional career with a sound foundation in critical thinking , analyzing and solving design problems with acumen , communication skills , managerial skills so that they could interact with architects , designers and the clients with confidence.

1. Scope and Content

- 1.1** The Regulations documented here are applicable for Degree-Interior Designing programme, offered by the University.
- 1.2** The applicability of the Regulations must be understood in the context of the given Scheme of Study and Syllabus of the programme.
- 1.3** The Regulations given here are in addition to the rules and regulations notified at the time of admission.
- 1.4** The authorities of University may modify, add, delete, expand or substantiate any part of the Regulations and syllabi, at any time.

2. Course Content

The programme shall be for duration of six semesters, spread out in three years. Each semester of the programme shall consist of either all or some of the following components:

- a. Core Subjects
- b. Practical/Lab Subjects
- c. AECC
- d. Project Work

2.1 Core Subjects

Core subjects comprises of subjects that form an integral part of the programme. These subjects provide a strong ground in basic disciplines of study.

2.2 Practical/Lab Subjects

These subjects are totally practical-based subjects. The learning of these subjects will be performed in laboratories/practical

sites with equipments/resources. These subjects shall support the practical implementation of the core/core-bracket subjects. The processes of evaluation of their subjects will depend on the nature of that individual subject.

2.3 AECC

These subjects are based upon the contents that leads to knowledge enhancement.

2.4 Project Work

The project work shall be done for a duration as specified by the Coordinator, in the area, related to the main subject of study or the specialization. The project work shall give the student an insight to the situations existing in the field/marked/industries, etc.

3. Eligibility for Admission and Mode of Selection

3.1 The minimum qualification required to be eligible for admission is a pass in the HSC or 10+2 examination of a Board of a State Government, or a course recognized as equivalent thereto by the University, desirably with the relevant or related subjects as one of the subjects of study.

3.2 The method of selection for the course shall normally by means of a Personal interview. However, the admission might also by means of an entrance test.

4. Attendance and Examination

A student is eligible to appear for the term-end examinations, only if he/she has put in a minimum of 75% attendance in each subject individually.

5. Assessment and Examination

5.1 Assessment of Project Work

The project work will carry a total of 200 marks. Of this, 150 marks are for the study/report and 50 marks will be awarded for performance in the viva-voce examination.

5.2 Eligibility to Appear for the Term-End Exam

Students, who have put in a minimum of 75% attendance in each subject, shall be eligible to appear for the Term-end examination.

6. Maximum period for the complement of the Programme

The maximum period for the completion of the programme shall be five years from the date of joining the programme.

7. General Guidelines

7.1 Academic Integrity and Ethics

- a. A student who has committed an act of academic dishonesty will be deemed to have failed to meet a basic requirement of satisfactory academic performance. Thus, academic dishonesty is not only a basis for disciplinary action but also is relevant to the evaluation of student's level of performance and progress.
- b. Where there has been violation of the basic ethos and principles of academic integrity and ethics, the Director/Board of Examiners/Course coordinator may use their discretion in terms of disciplinary action to be taken.
- c. Academic dishonesty includes, but is not necessarily limited, to the following:
 - i. Cheating or knowingly assisting another student in committing an act of cheating;
 - ii. Unauthorized possession of examination materials, destruction or hiding of relevant materials;
 - iii. Act of plagiarism;
 - iv. Unauthorized changing of marks or marking on examination records.

7.2 Attendance

- a. Students are required to attend and participate in all scheduled class sessions, guest lectures, workshops, outbound learning programs and club/ forum activities of both academic and non-academic nature.
- b. Students may be dropped from the programs due to excessive and non-intimated absences.
- c. Students must notify the program coordinator in writing, the reasons for absence, if any, from class sessions, activities and assessment components.
- d. On notification of absences (including anticipated absences) , the Director/ Programme coordinator would determine whether the absences could be rectified or whether it is possible to satisfactorily complete the subject with the number of identified absences.

7.3 General

- a. The students are expected to spend a considerable amount of time in research, reading and practice.
- b. All students are expected to develop and maintain a positive profession attitude and approach throughout the Programme and in conduct of all other activities.
- c. Attendance alone is not sufficient. Students are expected to participate, to help the class learn and understand the topics under consideration.
- d. Food and drinks are not permitted in the classroom / conference hall.
- e. All students are expected to dress as per stipulated dress code.

DIDD SEMESTER – I

TYPE	SN	SUBJECT NAME	SUBJECT CODE	TERM END EXAM	INTERNAL MARKS	MIN. PASS MARKS	TOTAL MARKS
C O R E	1.	Basic Design	DIDD 101	35	15	20	50
	2.	Building Material & Market Survey	DIDD 102	35	15	20	50
	3.	Introduction to Computer	DIDD 103	35	15	20	50
	4.	Architectural Drawing	DIDD 104	35	15	20	50
L A B	1.	Basic Design	DIDD 105	35	15	20	50
	2.	Building Material & Market Survey	DIDD 106	35	15	20	50
	4.	Architectural Drawing	DIDD 107	35	15	20	50
AECC	1.	Introduction to Computer	DIDD 108	35	15	20	50
Total				280	120	160	400

DIDD SEMESTER – II

TYPE	SN	SUBJECT NAME	SUBJECT CODE	TERM END EXAM	INTERNAL MARKS	MIN. PASS MARKS	TOTAL MARKS
C O R E	1.	Building Construction & Site Visit	DIDD 201	35	15	20	50
	2.	Interior Design Studio & Market Survey	DIDD 202	35	15	20	50
	3.	Vastu	DIDD 203	35	15	20	50
L A B	1.	Building Construction	DIDD 204	35	15	20	50
	2.	Interior Design Studio & Market Survey	DIDD 205	35	15	20	50
	3.	Furniture Design & Joinery Details & Anthropometrics	DIDD 206	35	15	20	50
	4.	Computer Aided Design	DIDD 207	35	15	20	50
	5.	Model Making & Workshop	DIDD 208	35	15	20	50
Total				280	120	160	400

BASIC DESIGN (CORE)

Objective: *Visual perception through simple design elements – Line, plane and solid perception of spaces through design elements and organization. Colour workshop – The science of colour – psychology of colours. Colour wheel, its application. Manifestation of colours & perception of colour & form.*

Module I

Interiors used in Residential, Commercial and Public places. Qualities of colour – Hue, Intensity, Tone, Tints, Shade. Colour wheel. Primary colours, Secondary Colours, Tertiary Colours. Psychology of Colours. Factors influencing colour scheme. Different types of colour schemes.

Module II

Colour schemes – Monochromatic Colour Scheme, Dichromatic Colour Scheme, Polychromatic Colour Scheme, Analogous Colour Scheme, Neutral Colour Scheme, Contrasting Colour Scheme.

Module III

Colour schemes - Complementary Colour Scheme, Split Complementary Colour Scheme, Triad Colour Scheme, Cool Colour Scheme, Warm Colour Scheme, Creative Colour Scheme. Factors influencing colour scheme.

Module IV

Elements of design – Line & types of lines, Points, Shapes, Size, Direction, Form, colour, Value, Space. Alteration of Elements of Design. Modification and Transformation in the Elements. Composition of Points, Lines, Shapes and Forms. Scale – Natural, Intimate, Monument, Shocked.

Module V

Principles of design - Background , Emphasis , Balance , Unbalance , Symmetry, Asymmetry , Rhythm/movement ,Pattern, Contrast , Harmony, Monotone , Unity ,Scale and Proportion , conflict, dominance, attention, gradation.

Reference books

1. *Design concept – Jame Mills*
2. *Architecture Form, Space: Francis D K Ching*
3. *Diagram Diaries Peter Eisenman: Resomol Scandinavia Living Design: Elizabeth Gaynor*
4. *Housing & Urbanisation: Charles Correa*
5. *Colour Harmony – A guide to creative colour combinations- Bride M.Whelan*
6. *Colour Kaleidoscope, Creating colour harmonies- Axel venn*
7. *Designer's guide to colour-Vol 1to 5- James Stockman*
8. *Checks and Stripes – Classic variations in colour- Wolfgang H. Hagency*
9. *Time Saver Standards – Interior Space*

DIDD 102

BUILDING MATERIALS & MARKET SURVEY (CORE)

Objective: *Understanding various new materials and updating it in the market and their applications.*

Module I

Introduction to building materials Stones-Types of stones, General properties of good stones, Tools use for stone dressing, Types of surfaces finishes, Uses of stones, Qualities of good building stones, Purpose- types of stones to be used, Artificial stones, Points in favour of stone masonry, Marbles-Italian & Indian, Granites- all types, Tiles- vitrified, ceramics tiles and wall & floor tiles. Bricks- Points in favour of brick masonry Types of bricks, Shapes of bricks, Strength of bruck masonry, Qualities of good bricks, Testing of bricks, Tools of brick laying, Elevation of brick wall, Various forms of bricks. Clay products lime cement concrete

Module II

Metals –Types of metal, Ferrous metals, Market form of steel, Properties of mild steel, Properties of hard steel, Aluminium, uses of Aluminium in interior design, Alloys, Other types of metals, Metal finishes. Plastics- Introduction, Constituents of plastics, Colouring matter, Lubricants, Catalysts, Classification of plastics, Thermoplastic materials, Properties of mild steel, Properties of plastics, Uses of plastics, Commercial form of plastics.

Module III

Glass – Introduction, Structure of glass, Constituents of glass and their functions Properties of mild steel, Properties of glass, Requirements of commercial glass, Classification of glass, Special type of glass, Role of glass in interior, glazing, Bend glass, Toughened glass, Sandwich glass, Custom designer glass. Hardware

Module IV

Timber- Forms of timber, Classification of trees ,Soft wood & hard wood, Conversion of timber, Defects in timber, Decay of timber, Seasoning of timber, Difference due to Seasoning , Qualities of Timber , Factors affecting the strength of timber , Requirement of good Preservatives , Types of Preservatives , Methods of Preservation, Ply- types, thickness & uses,Partical boards-Varieties & uses. Floor finishes and Plastering- Introduction about floor finishes, Concrete floor, Terrazzo floor, Tiles, Introduction about

plastering, objective of plastering, Procedure of plastering, Stucco plastering, Pointing, and Procedure of pointing Adversives

Module V-

Paints – Characteristics of Ideal Paint, Ingredients of oil borne paints, Types of Paints. Guidance in process of painting, Advantages of spray painting. Painting on different surfaces. Defects in painting. Distempering – its properties. Varnishing – Characteristics of Ideal Varnish, its ingredients, types of varnish, Deco paints, PU finishes, Lamination Polish, Different texture paints. Textile & Finishes-Upholstery, curtains, carpets, rugs, drapery and its fixing types, types of venation blinds etc. Interior accessories

Reference books

1. *Time Saver Standards – Building Types*
2. *Building materials & construction : Pratap Rao*
3. *Interior design principles : Pratap Rao*
4. *S. C. Rangwala, Engineering Materials, Character Publishing house, Anand – 388 001, India, 2002.*
5. *S.K. Duggal, Building materials, Oxford and IBH publishing Co, put, Ltd, New Delhi 110001, 1997. D.N. Ghosh : Civil Engineering Drawing*
6. *Building Materials – Gurucharan Singh (Standard Publishers, Delhi)*
7. *Engineering Materials – Surendra Singh (Laxmi Publication)*

INTRODUCTION TO COMPUTERS (CORE)

Objective: *Introduction to Computers is designed to familiarize students with computers and their applications. It will also emphasize the use of computers and technology.*

Module I- Computer Fundamentals

Brief history of computer, Generation of Computers, overview of computer system, I/O units, storage units, memory.

Module II- Computer Networks

Definition of Network, Types of Network, Application of Network in different field, Open System Interconnection, Protocols used in different layers of OSI.

Module III- System Architecture

Introduction & Technique of Parallelism: Trends towards parallel computing, Architectural classification schemes, Pipelining

Module IV- Number System

Different Representation of Number System: Binary Number System, Octal Number System, Decimal Number System, Hexadecimal Number System, Conversion from one Number System to another, Operation on different binary numbers.

Module V- Operating System

Overview of operating systems, functionalities and characteristics of OS, Job and processor scheduling, scheduling algorithms.

Reference Book

1. *Computer studies - A first course; Hunt R. & Shelly J, Pub.Pitman*
2. *Fundamental of Computers - O'Lear.*

ARCHITECTURAL DRAWING (CORE)

Module I: Architectural Drawing

Basic Study- Lines- Different types of Lines, **Composition of Tools:** Use of Instruments, **Letter Writing:** Details about different fonts.

Module II: Scales

Use of different types of scale in Architectural Drawing, Unit Converter, different Measurement of Plans & Furniture.

Module III: Orthographic Projection

Angle Details, Scale Details, Working Drawing & Presentation Drawing, basic Geometrical Details.

Module IV: View

Details of different type of View- Isometric, One Point, two-point, oblique view, Axonometric View.

Module V: Texture

Details of different types of textures used in wall- 2D, 3D. **Murals** - Different types of murals used in residential & commercial.

Reference Books

1. *Dynamic Color Painting for the Beginner*, Diane Edison, ABRAMS New York
2. *Rendering with pen + ink*, Gill Robert W, Thames & Hidson.
3. *Adventure Water Colors*, Jenny Wheatley & Robin Capon, BATSFORD

DIDD 105

BASIC DESIGN (LAB)

Objective: *Visual perception through simple design elements – Line, plane and solid perception of spaces through design elements and organization. Colour workshop – The science of colour – psychology of colours. Colour wheel, its application. Manifestation of colours & perception of colour & form*

Module I

Interiors used in Residential, Commercial and Public places. Its Collection and presenting them in collage form. Visual perception skills, use of different media and techniques, Colour wheel, Primary colours, Secondary Colours, Tertiary Colours .Shade and shading techniques. Rendering techniques and use of colour in interior spaces, Qualities of colour –Tints, Shade

Module II

Colour schemes – Monochromatic Colour Scheme , Dichromatic Colour Scheme , Polychromatic Colour Scheme ,Analogous Colour Scheme , Neutral Colour Scheme , Contrasting Colour Scheme , Complementary Colour Scheme , Split Complementary Colour Scheme , Triad Colour Scheme , Cool Colour Scheme , Warm Colour Scheme , Creative Colour Scheme.

Module III

Composition of Points, Lines, Shapes and Forms. Elements of design – Line & types of lines

Module IV

Principles of design - Background , Emphasis , Balance , Unbalance , Symmetry, Asymmetry , Rhythm/movement, Contrast , Harmony, Monotone , Unity ,Scale and Proportion .

Module V

Designer clocks, designer mirror frames used in interior spaces.

Reference books

1. *Design concept – Jame Mills*
2. *Architecture Form, Space: Francis D K Ching*
3. *Diagram Diaries Peter Eisenman: Resomol Scandinavia Living Design: Elizabeth Gaynor*
4. *Housing & Urbanisation: Charles Correa*
5. *Colour Harmony – A guide to creative colour combinations- Bride M.Whelan*
6. *Colour Kaleidoscope, Creating colour harmonies- Axel venn*
7. *Designer's guide to colour-Vol 1to 5- James Stockman*
8. *Checks and Stripes – Classic variations in colour- Wolfgang H. Hagency*

DIDD 106

BUILDING MATERIAL & MARKET SURVEY (LAB)

Objective: *Exposure to different types of materials and new comings and up comings products available in the today's market.*

Module I

Getting various details and knowledge about the interior materials like Stones. Bricks- Clay products lime cement concrete through market survey

Module II

Getting various details and knowledge about the interior materials like Metals. Plastics etc. Through market survey

Module III

Getting various details and knowledge about the interior materials like glass & hardware etc. Through market survey

Module IV

Getting various details and knowledge about the interior materials like Timber Adversives Floor finishes and Plastering etc. Through market survey

Module V

Presenting the survey in the form of presentation. Showing its every minute and complete details in the form of cat logs, booklets, leaflets, visiting cards etc. and curtains & fabric details in files

Reference books

1. *Time Saver Standards – Building Types*
2. *Building materials & construction : Pratap Rao*
3. *Interior design principles : Pratap Rao*
4. *S. C. Rangwala, Engineering Materials, Character Publishing house, Anand – 388 001, India, 2002.*
5. *S.K. Duggal, Building materials, Oxford and IBH publishing Co, put, Ltd, New Delhi 110001, 1997. D.N. Ghosh : Civil Engineering Drawing*
6. *Building Materials – Gurucharan Singh (Standard Publishers, Delhi)*
7. *Engineering Materials – Surendra Singh (Laxmi Publication)*

DIDD 107

ARCHITECTURAL DRAWING (LAB)

Objective: *Drawing skills as tools to design thinking, views, visualization, and representation.*

Module I

Line Sheet, Composition of Tools, Letter Writing

Module II

Projection of Line 1, Projection of Line 2, Projection of Plane 1, Projection of Plane 2, Projection of inclined lines, Projection of Solid.

Module III

Oblique View, Axonometric View, One Point View, Two point View

Module IV

Isometric View I, Isometric View II, Isometric View III, Isometric View IV, Isometric View V.

Module V

Picture Effect.

Reference Books

1. *Dynamic Color Painting for the Beginner*, Diane Edison, ABRAMS New York
2. *Rendering with pen + ink*, Gill Robert W, Thames & Hidson.
3. *Adventure Water Colors*, Jenny Wheatley & Robin Capon, BATSFORD

INTRODUCTION TO COMPUTERS (LAB)

Objective: *Students will learn fundamental concepts of computer hardware and software and become familiar with a variety of computer applications, including word-processing, spreadsheets, databases, and multimedia presentations.*

Module I- Word Processor

Introduction to word processors. MS Word: opening, creating and saving documents, finding files, previewing documents and their properties, Typing, navigating and selecting in document, Editing and sorting, Checking spelling and grammar, formatting: characters, paragraph, with styles, auto format etc. Changing appearance of your page: margins, page size, page orientation, page breaks etc. Importing graphics and creating drawing objects: inserting, editing and positioning text and graphics, creating, resizing, reshaping and deleting drawing objects. Assembling documents with mail merge, Customizing Microsoft Word

Module II- Spread sheet

Introduction to worksheets- opening, creating, using and saving workbook; working with workbooks and worksheets: managing, arranging and moving around in workbook. Entering data and selecting cells, ranges; editing worksheet data: clear content, format, or comments from cells, finding or replacing data, inserting, copying and moving cells and data, spell checking and correcting, formatting worksheet, using formulas, working with charts, analysing data with a pivot table, performing what-if analysis on worksheet data, validating cell entries, automating tasks: record, run, edit, and stop a macro, Customizing Microsoft Excel.

Module III – Techniques in presentation

Microsoft PowerPoint: opening, creating and saving presentations, working in different views, working with slides, adding and formatting text, formatting paragraphs, making notes pages and handouts, working with objects and clip arts, working with equations, tables and charts, designing electronic slide show, adding animations, sound, voice narration and movies to your slides, setting timing and transitions, running and controlling electronic slide show, Customizing Microsoft PowerPoint.

Module IV-

Introduction to Software, Implementation of Corel Draw in fashion designing.

Module V-

Introduction to Software, Implementation of Photoshop in fashion designing.

Reference books

1. *Microsoft Office 2000 by O'lear series, Tata Mcgraw Hill*
2. *Mastering computers – Wright G.G.L.McMilan & Co.*
3. *Microsoft Windows 2000 – Microsoft Press*
4. *The Corel Draw – wow lines Dayton*
5. *Photoshop element: Dake McClelland*

DIDD 201

BUILDING CONSTRUCTION & SITE VISIT (CORE)

Objective: *Emphasis: Exposure to build forms (Architecture) through building construction technology. Understanding various new systems of construction. Aluminium composite panel ACP*

Module I

Important building components, Foundations

Module II

Stone masonry, brick masonry

Module III

Partitions

Module IV

Arches

Module V

Lintels, stairs

Reference books

1. *Time Saver Standards – Building Types*
2. *Construction Technology – Vol 1-4*
3. *Balconies Exterior & Garage Doors*
4. *Building Materials & Construction*
5. *Building Construction – B.C. Punmia (Laxmi Publication Pvt. Ltd.)*
6. *Building Construction – Sushil Kumar (Standard Publication Distributors)*
7. *Building Construction – S. C. Rangwala (Charotar Publishing House, Anand, Gujarat)*
8. *Building Construction – Gurucharan Singh (Standard Publication Distributors)*

DIDD 202

INTERIOR DESIGN STUDIO & MARKET SURVEY (CORE)

Objective: *Assimilation of resolving design solution.*

Module I

Design analysis -research and programming with market survey.

Module II

Concept development with market survey.

Module III

Design development with market survey.

Module IV

Board layouts with market survey.

Module V

Presentation of the design project with market survey.

Reference books

1. *Time Saver Standards – Building Types*
2. *Minimalist Lofts : Watson Guptill*
3. *Interior Design : John F Pile*
4. *Big Ideas Xs Small Buildings : Richard Son Dietrich*
5. *Julius Panero, Martin Zelnik, Human Dimension and Interior Space, Whitney Library of Design, 1975*
6. *Joseph De Chiara, Julius Panero, Martin Zelnik, Time Saver Standards for Interior Design and Space Planning, McGraw Hill 2001.*

DIDD 203

VASTU / FENG SHUI (CORE)

Objective: *Student's got knowledge about different perspective of vastu.*

Module I

Introduction of vastu, Necessity of vastu, Home Plan

Module II

Role of vastu in 21st century, How to follow vastu, Direction of vastu, Location of vastu, Placement of vastu, vastu-subdivision, Effects of vastu and their solution

Module III

Managing Interiors with vastu, Plotting of vastu, Main entrance of vastu, Residential vastu, Colony vastu, Commercial Vastu.

Module IV

Sectioning and educational vastu, Industrial vastu, Disadvantages of vastu. Vastu in interiors.

Module V

Basic knowledge of Chinese fengshui as per Indian cultures

Reference books

1. *vastu – Building Types*
2. *Smita Jain Narang*
3. *(Ph.D in Vaastu Shastra)*
4. *<http://www.vaastu-shastra.com>*

DIDD 204

BUILDING CONSTRUCTION & SITE VISIT (LAB)

Objective: *Emphasis: Exposure to build forms (Architecture) through building construction technology. Understanding various new systems of construction. Aluminium, composite panel ACP.*

Module I

Important building components, Foundations

Module II

Stone masonry, brick masonry

Module III

Partitions.

Module IV

Arches.

Module V

Lintels, stairs

Reference books

1. *Time Saver Standards – Building Types*
2. *Construction Technology – Vol 1-4*
3. *Balconies Exterior & Garage Doors*
4. *Building Materials & Construction*
5. *Building Construction – B.C. Punmia (Laxmi Publication Pvt. Ltd.)*
6. *Building Construction – Sushil Kumar (Standard Publication Distributors)*
7. *Building Construction – S. C. Rangwala (Charotar Publishing House, Anand, Gujarat)*
8. *Building Construction – Gurucharan Singh (Standard Publication Distributors)*

INTERIOR DESIGN STUDIO & MARKET SURVEY – I (LAB)

Objective: *Drawing skills as tools to design thinking, views, visualization, and representation. Sketching on drawing sheets as per scale of residence*

Module I

Building drawing of residences 3bhk, 4bhk & 5bhk Presentation Plan, Using of different materials like marble, granite, tiles, Elevation , Isometric view.

Module II

Living Room – Presentation Plan, Final plan, Sectional Elevations, Furniture details, Isometric Views.

Module III

Kitchen – Dining - Presentation Plan, Final plan, Sectional Elevations, Furniture details, Isometric Views.

Module IV

Master Bed Room - Presentation Plan, Final plan, Sectional Elevations, Furniture details, Isometric Views.

Module V

Children Bed Room - Presentation Plan, Final plan, Sectional Elevations, Furniture details, Isometric Views.

Reference books

1. *Time Saver Standards – Building Types*
2. *Minimalist Lofts : Watson Guptill*
3. *Interior Design : John F Pile*
4. *Big Ideas Xs Small Buildings : Richard Son Dietrich*
5. *Julius Panero, Martin Zelnik, Human Dimension and Interior Space, Whitney Library of Design, 1975*
6. *Joseph De Chiara, Julius Panero, Martin Zelnik, Time Saver Standards for Interior Design and Space Planning, McGraw Hill 2001.*

DIDD 206

FURNITURE DESIGN & JOINERY DETAILS & ANTHROPOMETRICS (LAB)

Objective: *System in furniture design, its relationship to human dimensions, survey of various modular systems available for functions in market.*

Module I

Cane, Cane furniture for Interior & Exterior, Credenza, Dining Table & Chair

Module II

Wrought Iron Furniture, Anthropometry basic Human Dimension-I, II, III, IV, V & VI.

Module III

Plastic/PVC Furniture, Manufacturing process for Plastic furniture, PVC Furniture, 17th -18th century furniture I & II - Plan, Front Elevation, Side Elevations, Sectional Elevation, Joinery Details and Isometric View.

Module IV

Glass Furniture, Design Examples of Glass furniture, Stone Furniture, Cabinets, Cabinets furniture, Window treatment, window curtains, door curtains, lapped joints, types of lapped joints, tongue groove joints, mortise & Tenon joints.

Module V

Different types of joinery Details in furniture, Meaning of Anthropometrics., Sofa I & II, study table, LCD unit - Plan, Front Elevation, Side Elevation, Sectional Elevations, Joinery Details and Isometric View.

Reference books

1. *Elements & Total concept of urban street furniture: Garrett Elkbo*
2. *Modern Furniture Classics*
3. *Time Saver Standards – Building Types*

COMPUTER AIDED DESIGN (LAB)

Objective: *Computer graphics as a tool for design development. Introduction to computers & their application to various fields that are relevant to the fields of study. Introduction to computer aided design and drafting techniques and some software available.*

Module I

Enhancing work capabilities. – Drawing commands –Modifying commands – Format commands – Dimensioning – Additional features in AutoCAD – Controls in Auto cad.

Drafting isometric views – Plotting of Auto Cad drawings – 3D Modelling.

Module II

Working with auto cad 2 with different command of line, copy, mirror and etc.

Module III

Computer- as a tool in visual perception of interior spaces. Computer a tool in development colour, texture and lighting devices for interiors spaces. Learning basic operations to draw plans, elevations and 3-D view. Drawing commands & Aids – Editing commands – View commands – Object snap & its efficient uses.

Module IV

Enhancing work capabilities. – Drawing commands –Modifying commands – Format commands – Dimensioning – Additional features in AutoCAD – Controls in Auto cad. Drafting isometric views – Plotting of Auto Cad drawings – 3D Modelling.

Module V

Develop experience through space in time by series of isometric views in auto cad 3d. Design of spaces for display and graphics as a space maker. Developing motif learning understanding of pattern making with variations in colour there by learning its uses in weaving, textile, flooring wall – paper patterns.

Reference books:

1. *Illustrated AutoCAD 2000 for you*
2. *AutoCAD architectural user guide – Autodesk Inc., 1998.*
3. *The Illustrated AutoCAD 2002 Quick Reference, Ralph Grabowski*
4. *Autocad 2000: A Problem-Solving Approach, Sham tikoo. Pub: Thomson Learning, 1999*

DIDD 208

MODEL MAKING & MARKET SURVEY (LAB)

***Objective:** Preparing models for interior spaces.*

Module I

Introduction to study models. Using quick material and to make them presentable.

Module II

Making models of Different types of furniture items like bed, 2 seater sofa set, 3 seater sofa set.

Module III

Making models of Different types of furniture items like centre table, wardrobe, and dining table.

Module IV

Making models of Different types of furniture items like chairs, dressing table, TV unit etc.

Module V

Making models of Different types of sanitary items like wash basin, w.c , bath tub etc.

Reference books:

- 1. Minimalist Lofts : Watson Guptill*
- 2. Interior Design : John F Pile*
- 3. Big Ideas Xs Small Buildings : Richard Son Dietrich*
- 4. Designing with light and shadow : Kaoru Mende*