

SYLLABUS BY C.S.J.M UNIVERSITY, KANPUR

B.VOC (INTERIOR DESIGN)

SEMESTER WISE BREAKUP OF COURSES

SEMESTER-I

Paper Code	Paper	L	T/P	S/D	Credits
DID-1001	Fundamental of Computers	2	1	0	3
DID-1002	Communication Skills	2	0	0	2
DID-1009B	Trade Enquiry (Market Survey) - I	0	2	0	2
DID-1003	Basic Design Principles	2	0	8	6
DID-1004	Art and Interior Graphics - I	1	0	6	4
DID-1005	Furniture Design Workshop - I	1	0	6	4
DID-1006	History of Interior Furniture - I	1	2	0	3
DID-1007	Textile and Accessories	1	2	0	3
DID-1008	Site Visits	0	0	0	3

SEMESTER-II

Paper Code	Paper	T/P	S/D	Credits
DID-2001	Environmental Science	0	0	3
DID-2010B	Trade Enquiry (Market Survey) - II	2	0	2
DID-2002	Interior Design-I	0	4	3
DID-2003	Display Design-I	0	4	3
DID-2004	Art and Interior Graphics - II	0	4	3
DID-2005	Furniture Design Workshop - II	0	4	3
DID-2006	History of Interior Furniture - II	2	0	3
DID-2007	Interior Materials and Construction Tech. - I	0	4	3
DID-2008	Interior Project (Minor) - I	0	6	5
DID-2009	Winter Project - I	0	0	2

SEMESTER-III

Paper Code	Paper	L	T / P	S/D	Credits
DID-3001	Business Management	3	0	0	3
DID-3002	Interior Design & Landscape - I	1	0	4	3
DID-3003	Display Design - II	1	0	4	3
DID-3004	Furniture Design Workshop -III	1	0	4	3
DID-3005	Interior Services - I	1	0	4	3
DID-3006	Interior Materials and Construction Technique –II	1	0	4	3
DID-3007	AutoCAD – I	1	0	4	3
DID-3008	Interior Project - II	0	1	8	5
DID-3009	Site Visits	0	0	0	2
DID-3010	Summer Project - I	0	0	0	2

SEMESTER-IV

Paper Code	Paper	L	T / P	S/D	Credits
DID-4001	Life Skills	3	0	0	3
DID-4002	Interior Design & Landscape - II	1	0	4	3
DID-4003	Display Design -III	1	0	4	3
DID-4004	Furniture Design Workshop -IV	1	0	4	3
DID-4005	Interior Services -II	1	0	4	3
DID-4006	Interior Materials and Construction Technique - III	1	0	4	3
DID-4007	AutoCAD - II	1	0	4	3
DID-4008	Interior Project - III	0	1	8	5
DID-4009	Site Visits	0	0	0	2
DID-4010	Winter Project - II	0	0	0	2

SEMESTER-V

Paper Code	Paper	L	T / P	S/D	Credits
DID-5001	Technical English	3	0	0	3
DID-5002	Legal Ethics & Professional Practice	3	0	0	3
DID-5010B	NSS/ Sports/ ECO Club	0	2	0	1
DID-5003	Interior Design - I	1	0	4	3
DID-5004	Visual Merchandising - I	1	1	4	4
DID-5005	Product Design - I	1	1	4	4
DID-5006	Interior Materials Construction technique - V	1	0	4	3
DID-5007	Interior Project - IV (Minor Project)	1	0	8	5
DID-5008	Site Visits	0	0	0	2
DID-5009	Summer Project - II	0	0	0	2

SEMESTER-VI

Paper Code	Paper	L	T / P	S / D	Credits
DID-6001	Entrepreneurship & Project Management	3	1	0	4
DID-6002	Interior Design - II	1	0	4	3
DID-6003	Visual Merchandising - II	1	1	4	4
DID-6004	Product Design - II	1	1	4	4
DID-6005	Interior Budgeting & Estimation	1	0	4	3
DID-6006	Interior Project - V (Major Project)	0	0	12	6
DID-6007	Exhibition and Portfolio	0	0	0	4
DID-6008	Winter Project – III	0	0	0	2

Course Code:DID-1001

Breakup:2 –1 – 0 – 3

Course Name: Fundamentals of Computers

Course Details

UNIT-I BASIC KNOWLEDGE

Block diagram of computer and its working, Components of computer, About operating system, Booting and installation, File management, Printing.

UNIT-II WORD PRECESSING

Opening and saving documents, Editing, Character and paragraph editing

UNIT-III BASIC POWER POINT PRESENTATION

Opening and saving a slide, Inserting picture and movie clip, Publishing a presentation

UNIT-IV INTERNET BROADCASTING

Opening and saving a page, Creating an account, Elements of web page

Reference Book(s): -

[R1] Dummies Publication, Fundamentals of Computing

Course Code: DID-1002

Breakup: 2 –0 – 0 – 2

Course Name: Communication Skills

Course Details

UNIT-I

Recognizing and Understanding Communication Styles: What is Communication? Passive Communication, Aggressive Communication, Passive-Aggressive Communication, Assertive Communication, Verbal and Non-Verbal Communication, Barriers and Gateways to Communication.

UNIT-II

Listening Skills: Types of Listening (theory /definition), Tips for Effective Listening Academic Listening-lecturing), Listening to Talks and Presentations, Basics of Telephone communication

Writing Skills: Standard Business letter, Report writing, Email drafting and Etiquettes, Preparing Agenda and writing minutes for meetings, Making notes on Business conversations, Effective use of SMS, Case writing and Documentation.

UNIT-III

Soft Skills: Empathy (Understanding of someone else point of view), Intrapersonal skills, Interpersonal skills, Negotiation skills, Cultural Aspects of Communication.

UNIT-IV

Group Communication: The Basics of Group Dynamics, Group Interaction and Communication, how to Be Effective in Groups, Handling Miscommunication, Handling Disagreements and Conflicts, Constructive Criticism.

Text Book(s):

[T1] McKay, M., Davis, M. & Fanning, P. (2008). Messages: The Communication Skills Book, New Harbinger Publications

[T2] Perkins, P.S., & Brown, L. (2008). The Art and Science of Communication: Tools for effective communication in the workplace, John Wiley and Sons

Reference Book(s):

[R1] Krizan et al (2010). Effective Business Communication, Cengage Learning.

[R2] Scot, O.(2009). Contemporary Business Communication, Biztantra, New Delhi.

[R3] Chaney & Martin(2009). Intercultural Business Communication, Pearson Education

[R4] Penrose et al (2009). Business Communication for Managers, Cengage Learning.

Course Details

UNIT-I:

Design: Definitions of Design, Arrangement, Composition.

Principles of Composition-Elements and Principles.

1. Introduction to various elements of composition, line, direction, shapes, form, color,value, ones and Textures.
2. Principles of Composition
3. Repetition, Rhythm, Harmony, Unity, Balance, Dominance, Scale, Proportion, Contrast,practice exercise in composition with reference to above.
4. Designing of Murals, Paintings and Wall Paintings etc.

UNIT-II: Colors:

1. Terminology- Hue, Tints and Shade, Value, Intensity, Chroma
2. Theories of Colors, Color Wheels
3. Different types of Color Schemes
4. Color Harmony, Colour Contrast in relation to Interior Planning.
5. Psychological aspects of colour - Warm and Cool
6. Advancing & Receding colors
7. Color, Pattern and Texture and their relationship in Interiors.
8. Colour Planning and guidelines for various Interiors.

UNIT-III: Study of Form, Pattern, Tones and Textures

1. Factors influencing design
2. Functional and Non-functional
3. Shapes and Patterns derive from natural forms.
4. Pattern and Textures in relation to colors
5. Types of Textures and their relationship psychological; impact.
6. Textures in pencils, inks, and color.

UNIT-IV: Aesthetics of Interiors:

1. Role of accessories in Interiors
2. Role of Color, Light, Shades, and shadows in interiors.

Development of concepts in Interior Designing:

1. Preparation of scrap files for accessories, furniture, and fittings
2. Simple practice exercise in their development

NOTE:

There will be written and drawing examination on the above: Internal assessment will bebased upon the drawings, drawings charts and written assignments.

Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Interior Design-Ahmed Kasu

[T2] Interior Design Principal and Practice-M. Prataprao

Reference Book(s):

[R1] Basic Design of Anthropometry – Shiris Bapat

[R2] Living Area (Interior Space)

[R3] Time Saver Standard for Interior Design and Space Planning - McGraw Hill New York [R4]

Interior Design and Decoration, Sherrill Winton, Prentice Hall

Course Name: Art & Interior Graphics-I

Course Details

UNIT-I:

Instructional Objective:

Knowledge of instruments, papers, usages of graphic in present and future in Interior Design presentation. Skills in free hand presentation - Pencils, crayons, ink pen, Brush, cut paper, marker, sketch pen etc. in different mediums.

UNIT-II:

Introduction to Free Hand Drawing:

Free hand line on paper- horizontal and vertical lines, free hand circles, curves, parallel Etc. freehand lettering in pencil, pen, brush, sketching of various geometrical shapes, Simple objects of interiors furniture and accessories, human forms, animals, interior Views.

UNIT-III:

Skills in scaled drawing (Pencil and Pen)

1. Knowledge of use of engineering scales- metric, foot and inches.
2. Reduction and enlargement
3. Physical measurements- exercises of different interior objects
4. Simple drafting of measured objects
5. Knowledge of 2-dimensional and 3-dimensional geometry
6. Exercise on drawing of simple plan, elevation and sections.

Projections:

1. Orthographic, Isometric, Axonometric
2. Drafting of furniture objects with projections.

UNIT-IV:

Measured Lettering

Presentation techniques and standards adopted, pen, pencils and brush. Understanding of Architectural graphic symbol

Drawing of simple layout for single room - with furniture, accessories dimensions.

NOTE:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Drawing - A creative Process, Francis D.K. Ching, John Wiley Sons, New York

[T2] Geometrical drawing for art students, 2nd revised edition- I.H.Morris, Orient Longman,

Reference Book(s):

[R1] Architectural Drafting and Design, 4th Edition- Ernest R.Weidhaas, Allyn and Bacon, Boston, 1981.

[R2] Building drawing, 3rd Edition- MG Shah, CM Kale, Tata Mcgraw - Hill Publishing, New

Course Name: Furniture Design Workshop-I

Course Details

UNIT-I:

Importance of furniture in relation to Interiors: study of shapes, forms finish on furniture. Environmental conditions influencing furniture designs: Climatic, social, economic, availability of materials and construction techniques.

UNIT II:

Introduction to various Materials: Wood, metals used in Furniture. Types of wood-based products, Methods of care and maintenance, economics of furniture, durability and usability.

UNIT-III:

Techniques of finishing the Surfaces: Wood and Metal Paints, Polishes and varnishes etc: handpainting, brush painting, roller, spray etc.

UNIT-IV:

Study of Anthropometric and ergonomic data in relation to various furniture, Diagrammatic representation through charts. An exercise has to be done where actual measurements have to be taken in relation to various furniture presentations in report form.

NOTE:

1. Furniture to be designed freehand sketch files to be made topic wise.
2. Visit to various furniture workshop exhibitions and showrooms for demonstrations and information from time to time

Text Book(s):

[T1] The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York

[T2] Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York

Reference Book(s):

[R1] Interior Design, Francis D.K. Ching, John Wiley & Sons, New York

[R2] Office Furniture, Susan S. Szenasy, Facts on file Inc, New York

Course Name: History of Interior Furniture-I

Course Details

UNIT-I: Introduction: Pre-Historic:

Indus Valley Civilization: Methods of planning decorative features figures and forms used Cultural features and lifestyles.

UNIT-II:

Indian Handicrafts and Handlooms. Analysis of Hindu, Buddhist, Indo-Islamic interiors with special emphasis on decoration, ornamentation, and motifs.

UNIT-III:

Different Construction technique and materials used in interiors as part of structure/decorations with reference from influence of different factors or architectural forms and decorations such as Doors, Windows, Pillars, Columns, Paneling, Ceiling, Cornice frieze, Dado, Stone inlay and architectural decoration.

UNIT-IV:

Different schools of Paintings in India. Influence of British Architectural on Indian Interiors and then gradual change in Architectural features in "**British India**".

NOTE:

1. Preparation of reports and assignments.
2. Visits to Museums, Stores, State Emporium, Manufacturing Workshops, Exhibitions, Trade Fairs, Melas etc.

Text Book(s):

[T1] History of Fine Arts in India and West by Edith Tomary

[T2] History of World Architecture by Sir Banister Flecher

Reference Book(s):

[R1] Indian Architecture by Satish Kumar

[R2] Interior Design by Ahmed Kasu

Course Name: Textile & Accessories

Course Details

UNIT-I:

Floors-Introduction: Warmth, Safety, Noise, Choice and Planning.

Types of Floors: Hard, Semi- Hard, Soft Floor.

UNIT-II: Floor Coverings:

1. Types of Carpets & Rugs
2. Natural fibers and Man - made fiber
3. Handmade Carpets & Lying of Carpets.
4. Machine made Carpets

UNIT-III:

Types of Windows & Treatments:

1. Types of Curtains & Blinds
2. Fittings & Accessories required for Curtains & Blinds.
3. Valance, Swags, Tails, Tracks, Poles and other hardware materials used in curtains and blinds.

UNIT-IV:

1. Fittings & Fixtures of Bathroom & Kitchen.
2. Sanitary & Hardware

NOTE:

1. Visiting Furnishing & Fitting showrooms for collecting samples or make sketch of the same and prepare a file.
2. Taking one Interior space showing use of different types of Floor, wall finishes, Window Treatment using the above study material.

Text Book(s):

[T1] Interior Design Illustrated, Francis D.K. Ching

[T2] House Book (The complete guide to Home Design) by Terence Conron.

Reference Book(s):

[R1] Window Fashion, Charles TIRANDALL

[R2] A.J. Metric Handbook: Editors Jan, Bilwas & Leslie fair weather.

Course Name: Trade Enquiry (Market Survey-I)

Course Details

UNIT-I: BASIC BUILDING MATERIALS:

1. Collections of basic building materials samples such as Bricks, Cement, Aggregates etc.
2. Wall finishes -
3. Collection of Brochures of various company in the market, rates and other relevant information's such as application advantages and disadvantages of Distemper, Paints, Wall papers etc.

UNIT-II: WOOD & WOOD BASED PRODUCTS:

1. Types of woods in markets, Rates, Company
2. Laminates, Veneer, Plywood, Block board etc.

UNIT - III: UPHOLSTERY MATERIAL AND TAPESTRY:

1. Types of fabric used for different types of furniture, and window treatment.
2. Rates, Collection of Samples.

NOTE: Students have to prepare a project file along with the samples, rates other information.

Course Details

UNIT-I

Environmental Studies: Ecosystems, Bio-diversity and its Conservation

1. The Multidisciplinary Nature of Environmental Studies

Definition, scope and importance of Environmental Studies, Biotic and a biotic component of environment, need for environmental awareness.

2. Ecosystems

Concept of an ecosystem, structure and function of an ecosystem, producers, consumers and decomposers, energy flow in the ecosystem, ecological succession, food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structures and function of the following ecosystem:

- (a) Forest ecosystem
- (b) Grassland ecosystem
- (c) Desert ecosystem
- (d) Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries).

3. Bio-diversity and its Conservation

Introduction to biodiversity - definition: genetic, species and ecosystem diversity, Bio-geographical classification of India, Value of biodiversity: Consumptive use, productive use, social, ethical, aesthetic and option values, Biodiversity at global, national and local levels, India as a mega-diversity nation, Hot-spots of biodiversity, Threats to biodiversity: Habitat loss, Poaching of wildlife, man-wildlife conflicts, rare endangered and threatened species (RET) endemic species of India, method of biodiversity conservation: *In-situ* and *ex-situ* conservation.

UNIT-II

Natural Resources: problems and prospects

Renewable and Non-renewable Natural Resources; Concept and definition of Natural Resources and need for their management

Forest resources: Use and over-exploitation, deforestation, case studies, timber extraction, mining, dams and their effects on forests and tribal people.

Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits, and problems. Water conservation, rainwater harvesting, watershed management.

Mineral resources: Uses are exploitation, environmental effects of extracting and using mineral resources, case studies.

Food resources: World food problems, changes caused by agriculture and over-grazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources. Urban problems related to energy, case studies.

Land resources: Land as a resource, land degradation, man-induced landslides, soil erosion and desertification.

UNIT-III

Environmental Chemistry and Pollution Control

(i) Chemistry of Environment

(a) *Green Technology:* Principles of Green technology, Zero Waste Technology, Green Chemistry & Its basic principles, Atom Economy, Green Methodologies, clean development mechanisms (CDM), concept of environmental impact assessment,

(b) *Eco-Friendly polymers:* Environmental degradation of polymers, Biodegradable, Photo-biodegradable polymers, Hydrolysis & Hydrobiodegradable, Biopolymers & Bioplastics: polylactic acid, polyhydroxybutyrate, polycaprolactone,. Concept of bioremediation.

(ii) Environmental Pollution

Definition, types, causes, effects and control measures of (a) Air pollution, (b) Water pollution,

(c) Soil pollution, (d) Marine pollution, (e) Noise pollution, (f) Thermal pollution, (g) Nuclear hazards.

Pollution case studies. Solid waste and its management: causes, effects and control measures of urban and industrial waste.

Chemical toxicology - Terms related to toxicity, impact of chemicals (Hg, As, Cd, Cr, Pb) on environment.

UNIT-IV

Disaster Management, Social Issues, Human Population and the Environment

(i) Disaster Management

Disaster management: floods, earthquake, cyclone and land-slides, nuclear accidents and holocaust, *case studies*.

(ii) Social Issues, Human Population and the Environment

Sustainable development, Climate change, global warming, acid rain, ozone layer depletion, Environmental ethics: Issues and possible solutions, Consumerism and waste products, Wasteland reclamation. Population growth, problems of urbanisation, Environment Protection Act, 1986; Air (Prevention and Control of Pollution) Act, 1981; Water (Prevention and

Control of Pollution) Act, 1974; Wildlife Protection Act, 1972; Forest Conservation Act, 1980; Environmental management, system standards-ISO 14000 series.

Text Book(s):

[T1] E. Barucha, Textbook of Environmental Studies for Undergraduate Courses, Universities Press (India) Pvt. Ltd., 2005.

[T2] S. Chawla, A Textbook of Environmental Studies, McGraw Hill Education Private Limited, 2012

References Books:

[R1] G. T. Miller, Environmental Science, Thomas Learning, 2012

[R2] W. Cunningham and M. A. Cunningham, Principles of Environment Science: Enquiry and Applications, Tata McGraw Hill Publication, N. Delhi, 2003. [R3] R. Rajagopalan, Environmental Studies: From Crisis to Cure, 2nd Edition, Oxford University Press, 2011.

[R4] A.K. De, Environmental Chemistry, New Age Int. Publ. 2012,

[R5] A. Kaushik and C.P. Kaushik, Perspectives in Environment Studies, 4th Edition, New Age International Publishers, 2013

[R6] Environmental Engineering by Gerard Kiely, Tata McGraw-Hill Publishing Company Ltd. New Delhi, 2010

Course Code: DID-2002

Breakup: 0 – 4 – 3

Course Name: Interior Design-I

Course Details

UNIT-I:

Planning the flow of space, negative & positive space, space requirement, usage with furniture and functional Spaces. Space distribution and factors influencing it. Drawing required, plan and elevation of single rooms, Simple Layout plans of different rooms for different Functions. Placement of Furniture, making furniture layout, plans and elevations of rooms of different functions.

UNIT-II

Bedrooms & Living Rooms: Concepts in bedroom & Living room interiors- various layout of these spaces - the use of furniture and accessories to create a good ambience - materials & finishes - lighting, colour & Texture.

Toilets: Anthropometry - various types of sanitary ware and their use - types of layouts - concepts in modern day toilet interiors - with materials & finishes -lighting, Colour, Texture & pattern.

UNIT-III

Kitchens: Work triangle, planning for activity - types of kitchens - Modular Kitchens. Materials Used for counters, shelves, worktops, washing areas.

Lighting & Colour Scheme - natural & artificial light.

UNIT-IV

Perspective in Blank & White, Colour with simple rendering visit for case study of existing interiors, Record file of these to be prepared in freehand drawing.

Note:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Interior Design - Ahmed Kasu

[T2] Interior Design Principal and Practice- M. Prataprao

Reference Book(s):

[R1] Time Saver Standard for Interior Design and Space Planning - McGraw Hill New York
[R2] Interior Design and Decoration, Sherrill Winton, Prentice Hall [R3] Designs for 20th century Interiors - Fiona Leolie, VH Publication, London 2000 [R4] Interior Design: The New Freedom, Barbara LeCraw Diamondstein, Rizzoli International Publications, New York, 1982.

[R5] Interior Color by Design, Jonathan Poore, Rockport Publishers, 1994

[R6] Worldwide Interiors - International Federation of Interior Architects & Designers, Rikuyo - Sha, Japan, 1987.

Course Code: DID-2003

Breakup: 0 – 4 – 3

Course Name: Display Design-I

Course Details

UNIT-I:

Introduction: Display of various products/commodities, display and their scopes for sale, promotion at shop, City, State, National and International levels.

Classification: Window, Wall, Island, Counter, Atrium, Mobile, Kiosk, Store & Exhibition Display.

UNIT-II

Conceptualization: Thematic Message, Seasonal Festival, State & Country oriented Display.

UNIT-III

Display Props and Display Media:

Use of Props, Publicity Media, Newspaper Ads, T.V., Hoardings, Posters, Banners, Billboards, Flyer, Panels, Logo, Trademarks.

UNIT-IV

Importance of Devices: Lettering, Colour, Lights and different types of Lights to be used for Display.

Mechanical Devices used.

Devises used for Display: Panels, Stands, Blocks.

Note: Lectures, Demonstrations & visits to various shopping Area, Departmental Stores, Malls, Exhibitions etc.

Presentation: Sketch Files, Drawings with Colours to give clear concept of Theme of Different types of Display.

Textbook(s):

[T1] Designs for 20th century Interiors - Fiona Leolie, VH Publications, London.

[T2] Worldwide Interiors - International Federation of Interior Architects & Designers, Rikuyo-Sha, Japan, 1987

Reference Book(s):

[R1] Interior Design: the new Freedom, Barvaralec Diamonstein, Rizzoli International Publications, New York, 1982

[R2] Interior Colour by Design, Jonathan Poore, Rockport Publishers, 1992.

Course Code: DID-2004

Breakup: 0 – 4 – 3

Course Name: Art & Interior Graphics-II

Course Details

UNIT-I Measured Drawings:

1. Techniques in skilled drafting and perspectives
2. Knowledge of standardized drawings, importance, various architectural symbols and usage in drawing.
3. Drafting of Simple Room layout plan, elevations, and sections with dimensions, showing levels, and specifications writing.

UNIT-II

Drafting of Simple Room layout plan, elevations, and sections with dimensions, showing levels, and specifications writing.

UNIT-III

Axonometric views of rooms as per the drafted layout plan, furniture, etc.

1. Perspective
2. Terminology of perspective drafting and drawing viz planes, vanishing point, cone of vision, one point, two-point, birds eye view, worm's view etc.
3. Drafting perspective views - one point, two-point perspectives with colours and pencil rendering, knowledge of tones and textures, colour applications and choice of different medium.

UNIT-IV

Sciography: Sciography in plan, elevation and basic sciography use in orthographic projection of simple objects and use of letter set and stencils.

Note:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings charts and written assignments.
2. Drawings Charts should be prepared on each topic mentioned above

Text Book(s):

[T1] Perspective & Sciography by Shankar Mulik, Allied Publishers.

[T2] Engineering Drawing, M.S. Kumar, D.D. Publications, Chennai

Reference Book(s):

[R1] Geometrical drawing for Art Students, I.H. Morris, Orient Longman, Chennai

[R2] Perspective Principles, M.G. Shah & K.M. Kale, Asia Publications, Mumbai.

Course Code: DID-2005

Breakup: 0 – 4 – 3

Course Name: Furniture Design Workshop-II

Course Details

UNIT-I:

Introduction of various materials used in furniture

1. Wood, metal and glass

2. Wood and wood based products uses, availability and cost of soft and hard woods, defects, properties and structures of different woods. Different types of wood-based products available

e.g., plywood, board, particle board, veneer etc.

UNIT-II

Metals: Mild steel, aluminum, brass, copper, wrought iron, GI springs steel etc. sections and raw materials available; market study and rates of the same.

Glass: Sizes, Thickness, Treatments, Rates and available of sheet properties, plates, wired, laminated colored insulated, heat Resistant and block glass.

UNIT-III

Analysis of existing furniture with full size measured drawings like plan, elevation, sections and details. To understand the structure properly.

1. Joinery as applied to furniture

2. Redesigning of existing furniture keeping in mind the market and user's need

UNIT-IV

Upholstery Materials: Types of foams, springs and other materials used for upholstering - Techniques of upholstering and various hardware used for the same.

NOTE:

1. Free hand sketches of furniture

2. Report to be made of above items based on market study and factory visits for the same to understand the actual process.

Text Book(s):

[T1] Butter Harry, "Do It Yourself Furniture".

[T2] Marlo Dal Febro, "How to Build Modern Furniture".

Reference Book(s):

[R1] Joseph Aronson, "The Encyclopedia of Furniture", Crown Publishers, New York

[R2] Joseph De Chiara, "Time Saver Standards for Interior Design", McGraw Hill, New York.

Course Code: DID-2006

Breakup: 2 – 0 – 3

Course Name: History of Interior Furniture -II

Course Details

UNIT-I Occidental Interiors:

1. Introduction to the periods of History, Cultural, Architectural & Interior Planning from ancient to Middle Ages, Renaissance, Modern Periods.
2. Concepts and Architectural characteristic of Ancient, Medieval, renaissance period explaining different Factors.
3. Influence ornamentalations- Motifs, Furniture, Doors, Windows, Pillars, Columns, Paneling, Ceiling, Cornices, Frieze, stone or wood inlay etc.

UNIT-II Study of period furniture and motifs:

1. European Furniture - (Renaissance onwards)
2. Italian, Spanish, French
3. Renaissance and its influence on ornamentation and furniture.

UNIT-III:

1. English, 15-18 Century (from Tudor to Victorian) style of furniture & decoration.
2. American Colonial period furniture and Ornamentation
3. 19th and 20th Century - French, English and American Styles.

UNIT-IV: ORIENTAL

Difference in basic shapes, form & motifs of East and West.

Wood & other materials used, familiarity with methods of GUILDING, EMBOSSING, MOULDING, STENCILING

Demonstration of marquetry, Brass, Ivory, Mother of Pearl, Inlay, Wood etc.

NOTE:

1. Study of market trends and styles and visits to Furniture factory & showroom.
2. Project on Design & Detailing of Single residential or Commercial Furniture wood, cane, and metal.

Text Book(s):

[T1] English Furniture Style (1500 - 18) by Ralph E

[T2] Interior Design, Francis D. K. Ching, John Wiley & Sons, New York

Reference Book(s):

[R1] The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York

[R2] Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York

Course Code: DID-2007

Breakup: 0 – 4 – 3

Course Name: Interior Materials & Construction Techniques-I

Course Details

UNIT-I

1. Basic Building Components: Foundation till super structure
2. Stone and Brick Masonry: Types of Bonds
3. Different types of Stone Masonry

UNIT-II:

Openings:

1. Types of Arches & Lintels
2. Types of Doors & Windows
3. Types of Roofs.

UNIT III:

Introduction to Structure:

RCC, Structural Elements, RCC Beams, Reinforced Beams, Slabs & Columns

UNIT IV:

1. Steel structure elements - Comparison of steel and RCC structure in building
2. Introduction to seismic zone considerations on high rise structures.
3. Introduction to design implications to disasters.

NOTE:

1. There will be written and drawing examination for Unit I & Unit II, and Unit III & IV will be theory based: Internal assessment will be based upon the drawings, drawings sheets and written assignments.
2. Drawings sheets should be prepared on each topic mentioned above

Text Book(s):

[T1] Sushil Kumar, "Building Construction"

[T2] S.C.Rangwala, "Engineering Materials", Charotar Publishing, Anand

Reference Book(s):

[R1] W.B. Meckay, "Building Construction", Vol. 1, 2, 3, 4

[R2] Francis D. K. Ching, "Building Construction Illustrated", VNR, 1975.

Course Code: DID-2010B

Breakup: 0 – 6 – 5

Course Name: Trade Enquiry (Market Survey-II)

Course Details

UNIT-I: Floor Finishes

- Types of Floor- Hard floor, Soft Floor finishing materials, rates.

UNIT-II:

Wood & Wood based Products:

- Types of woods in markets, Rates & collection of samples
- Laminates, Veneer, Plywood, Board etc.

UNIT - III:

Upholstery Material and Tapestry:

- Types of fabric used for different types of furniture, and window treatment.
- Rates, Collection of Samples.

UNIT - IV:

Electrical Fitting and Fixtures:

- Collection of samples for lights fittings, Fans, Air Conditioning, switch boards.
- Rates and the company dealing.

Note: - Student have to prepare a project file along with the samples, rates other information's.

Course Code: DID-3001

Breakup: 3 – 0 – 0 - 3

Course Name: Business Management

Course Details

UNIT-I

Introduction to Management: Meaning and Nature of Management, Basic Concepts of Management Definition, Need and scope. Different schools of management - Behavioural, Scientific, Systems, Contingency, Management by Objectives, Management and Society: The External Environment, Social Responsibility, and Ethics: An Overview.

UNIT-II

Management theories - F.W. Taylor - Henry Fayol - Elton Mayo, Evolution of Management (in India and Abroad), Levels of management, Process of Management: Managerial Skills, Tasks and Responsibilities of a Professional Manager.

UNIT-III

Planning-Process and Techniques, Organizing- Definition, Process and Organizational Structure, Nature, Importance, principles, centralization - de centralization Organization. structures - Line & staff, functional, product, matrix, geographical, customer, virtual, boundary less. Staffing - Definition, Nature, Importance & steps.

UNIT-IV

Directing-Principles and Process, Controlling-Process and Techniques, Problem Solving and Decision Making - Definition, Nature, Importance, steps; Controlling - Techniques & Steps, Leading - Nature and scope. Contemporary issues in Management.

Text Books:

[T1] Stoner, R. James A.F., Edward Freeman Daniel R Gilbert Jr., Management 6th Ed. Prentice-Hall of India

[T2] Essentials of management by Koontz H and Weirich, Tata, McGraw-Hill Education, Delhi.

Reference Books:

[R1] Principles & Practice Of Management (Paper Back), Author: T.N.Chhabra, Publisher: Dhanpat Rai & Co (P) Ltd, Delhi

[R2] Management by James A.F.Stoner, Philip.W.Yetton, Jane F.Craig, Kim D.Johnston, Second Edition. Prentice Hall of India, Delhi.

Course Code: DID-3002

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Design & Landscape-I

Course Details

UNIT-I

Design small apartment like 2 BHK/ 3 BHK with complete furniture Layout, Drawing - Plan, Elevation 3D view/Perspective View, Furniture detailing, using Colour schemes, Accessories, and Electrical Layout Plan etc.

UNIT-II

Design commercial space like small store or Petrol Pumps convince store complete furniture Layout, Drawing - Plan, Elevation 3D view/Perspective View, Furniture detailing, using Colourschemes, Accessories and Electrical layout.

UNIT-III FOR LAND ESCAPE

- Relation between Outdoor and Indoor Spaces.
- How to relate interior & Exterior Spaces?
- Type of land escape - Hard and soft landscape & its use in Interiors.
- Use of materials - Constriction, ground modeling, ground cover, laying of grass, stone Pathways.

UNIT-IV

- Potted plants, hanging baskets, shrubs, creepers, Hedges Fences, Tree Guards, Trills, water bodies, Fountain, Sculpture, Artificial pools, and different types of lights used in Exteriors and their uses.
- Project on land escape Balcony area/Private gardens with layout, and a Colored perspective

Note: Design to be made by students under the guidance of faculty.

Text Book(s):

[T1] Indoor Plants by Xania Field

[T2] World Architecture (With Introduction to landscape Architecture) by G.K. Hiraskar [T3]

World of house plants by JOHANS

[T4] Indoor garden by HUNTER

[T5] Indoor gardening by READER DIGEST ASSOCIATION

(LONDON) [T6] Japanese homes and gardens by Marcus G. Sims

Reference Book(s):

[R1] Interior Decoration by Satish Chandra Agarwala

Course Code: DID-3003

Breakup: 1 – 0 – 4 - 3

Course Name: Display Design-II

Course Details

UNIT-I

- Window Display for sales promotion of different types of products/ commodities
- Use of different devices like blocks, stands, panels.
- Use of different types of lights and colours.
- For shops like Gift Gallery, Leather Goods like Bags, Shoes, Pottery and Kitchenware, Apparel for kids, ladies and gents (Branded Stores)

UNIT-II

Planning designing and 3D views in colour using props for expressing 'Theme' or 'Message' in display

UNIT-III

Use of lettering and designing of logo and trademark as an exercise on paper

UNIT-IV

COUNTER DISPLAYS

- Types and use of counters in store display
- Importance of Counter Display
- Planning and designing the counter display for Jewellery, spectacles/ shades, cosmetic goods and precious goods like Ivory items, precious stones, and sandal wood items using theme for display.
- All of the above to be carried out in lecture studio class
- Visits to various stores, malls and exhibitions

Note: Demonstration and visit to various malls, stores, exhibition and workshops.

Practical: Sketching existing display and making sketch files on various topics.

Course Code: DID-3004

Breakup: 1 – 0 – 4 - 3

Course Name: Furniture Design Workshop-III

Course Details

UNIT-I

Introduction to Furniture Period. Oriental furniture Period, Period Furniture - Oriental furniture, Historic & Period Furniture, History of furniture in Ancient World - Ancient Egypt, Greece, Rome, and Byzantine

UNIT-II

History of Furniture in Middle Age early mediaeval 500-1000, Romanesque, Gothic -1200-1300, Furniture Development in Italy - Pre-Renaissance (1100-140), Quattrocento (1400-1500), Cinquecento (1500-1600), Baroque (1560-1700), Classical Revival (1750-1800), Italian Directoire (1795-1799), Italian Empire (1800-1815) Furniture Development in France, Early Renaissance (1515-1547), High Renaissance (1560-1610), Baroque (1643-1745), Rococo (1725-1774)

UNIT-III

Neo-Classicism (1774-1793), Directoire (1795-1799), Empire (1800-1815), Art Nouveau (1870-1909), French provincial, Furniture Development in England Tudor/ Elizabethan, Restoration (1600-1685), William & Mary (1689-1702), Queen Anne (1702-1714), Early George (1714-1760)

UNIT-IV

Age of the great Designers (1725-1800), Thomas Chippendale (1718-1779), Robert Adam (1728-1792), George Haplewhite (1786), Thomas Sheraton (1751-1806) History of the 20th Century Furniture - Furniture Development in Germany, France, England, Italy, Scandinavia & USA

Note:

1. There will be written and drawing examination on the above: Internal assessment will be based upon the drawings, drawings sheets and written assignments.
2. Drawing sheets should be prepared on each topic mentioned above

Text Book(s):

[T1] Interior Design - Ahmed Kasu

[T2] World Furniture Edited by Helena Hayward

Reference Book(s):

[R1] English Furniture Styles (1500 - 18) by Ralph ETime Saver Standard for Interior Design and Space Planning - McGraw Hill New York

[R2] Antique Furniture by David P. Lindquist and Carlone C. Warren

Course Code: DID-3005

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Services-I

Course Details

UNIT-I Water Supply

(a) Hot and cold water supply system

(b) Types and sizes of pipes

(c) Water supply fitting to -

(i) Bathroom (ii) Water closet (iii) Sink (iv) Bath tub (v) Wash Basin (vi) Bidets (vii) Showers (viii) Urinals

UNIT-II Drainage

(a) Principles of Drainage

(b) Materials for drains

(c) Traps - types, sizes, function and usage

(d) Pipes sizes and shapes Sanitary fixtures - WC, washbasins, bath tubs, sinks (Sizes and types)

(e) Septic Tank

Note: Simple exercises on preparation of layout plans for toilet, kitchen; both public and residential

UNIT-III Lighting

(a) Different systems of lighting - (i) natural (ii) artificial

(b) Units for measuring light

UNIT-IV Electrical layout

(a) Planning - using electrical symbols

(b) Selection of fitting for different work areas as - drawing room, bedroom, study room, bath, kitchen, etc.

(c) Public places like offices, Malls, Hospitals

Note: Include basic knowledge of material finishes and maintenance

Text Book(s):

[T1] Building Construction by

B.C. Punmia [T2] Building

Construction by Sushil Kumar [T3]

Materials by RANGWALA

[T4] Sanitary engineering by RS DESHPANDEY

[T5] Water supply and sanitation by CHARANJIT SHAH

[T6] A-Z of practical building constructions & its management by SANDEEP MANTRI

[T7] Electrical engineering by O.P. SHUKLA

[T8] Water supply and sanitation engineering by P.K. UPADHYAY

Reference Book(s):

[R1] Sanitary Engineering by R.S. Deshpandey

[R2] Water supply & Drainage Gurcharan Singh

Course Code: DID-3006

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Materials & Construction Techniques-II

Course Details

UNIT-I FLOORS

- (a) Ground and upper floor
- (b) Different types of flooring materials, laying details

UNIT-II ROOFS

- (a) Pitched - different types,
- (b) Trusses - types and parts in sketches

UNIT-III DOORS (WITH MECHANICAL DEVICES)

- (a) Aluminum and steel doors
- (b) Types of door closing devices
- (c) Sliding doors
- (d) Sliding and folding doors
- (e) Revolving doors
- (f) Swing doors
- (g) Shop window front

UNIT-IV WINDOWS

- (a) Aluminum and steel windows
- (b) Different types - Bay, Bow, Corner, Dormer, Sky light, Louvered (French),
- (c) Casement, clerestory, Pivoted, Sliding, Ventilators.

Text Book(s):

- [T1] Building Construction by B.C.Punmia
- [T2] Building Construction by Sushil Kumar

Reference Book(s):

- [R1] Building Construction by W.B. McKay

Course Code: DID-3007

Breakup: 1 – 0 – 0 - 4

Course Name: Autocad-I

Course Details

UNIT-I

- Introduction to Hardware and Software of CAD
- Introduction: what is CAD? What to expect from CAD?
- A look at CAD industry, working of a CAD system
- CAD and interior design, the future of CAD.
- Components of CAD system
- Hardware software overview, CAD hardware, CAD software, CAD user interface
- **Drawing with a computer. CAD software in the future**

UNIT-II

- Introduction to AutoCAD
- Advantages of CAD
- Business applications for CAD
- Building Information Modeling, wrapping it up
- Benefits of CAD Design
- What is AutoCAD?
- Starting AutoCAD
- World Coordinate System
- **AutoCAD Basics**
- Basic Terminology
- **Interior designing using AutoCAD**

UNIT-III- CAD DRAWINGS

- A prototype CAD drawing
- Limit setups for drawings
- **Understanding scale concept and limits in AutoCAD**
- **Drawing tools, modify tools**

UNIT-IV- COLOURS AND LINE TYPES

- **Line type, line type scale, line weights**
- **How to create a custom simple line type?**
- **AutoCAD command list**

Text Book(s)

[T1] Mastering AutoCAD by George Omura (BPB Publications)

Reference Book(s)

[R1] Joseph A. Fiorello, CAD for interior basics, John Wiley & Sons [R2] Timothy J. Barnes, Electronic CAD frame works,

Springer [R3] Schoon Maker, Ebook Corporation, Marcel Dekker

[R4] The CAD Guidebook: a basic manual for understanding and improving Computer-Aided Design, CRC Press

Course Code: DID-3008

Breakup: 0 – 1 – 8 - 5

Course Name: Interior Project- II

Course Details

Restaurants: Any type Indian

- Any state with special effects of decor.
- Chinese
- Japanese

Requirements: layout plan, furniture to match the theme wall, floor, ceiling finishes and specific use of lights.

Importance of Furniture and its design to justify the type of restaurants students want to design.

Role of upholstery wall finishes

- Paints
- Wallpapers
- Wall paneling, etc.
- Furniture sketches with dimensions and material details.
- 3D views in color
- Role of art work and elements used in, to enhance the theme of Restaurants may be justified in the views.
- Beauty Parlor: Requirements for drawing are the same.

Course Code: DID-4001

Breakup: 3 – 0 – 0 - 3

Course Name: Life Skills

Course Details

UNIT-I

Introduction: Definition and importance of Life Skills, Livelihood Skills, Survival Skills, LifeSkills Approach, Life Skills based education, Life Skills Training- Implementation Models

UNIT-II

Learning and Performance, Cognitive Development, Maturation, Adult Learning, Approaches to Learning Pillars of Education and Life Skills- Four Pillars: Learning to Know, learning to Do, learning to Live Together, learning to be learning throughout Life

UNIT-III

Social Skills and Negotiation Skills: Self Awareness, Empathy, Effective Communication, Interpersonal Relationships

Thinking Skills: Nature, Element of Thought, Types, Concept Formation, Reasoning, Creativeand Critical Thinking

UNIT-IV

Coping Skills: Coping with Emotions, coping with Stress, Integrated use of thinking skills,social skills and coping skills

Text Book(s):

[T1] Rajasenan, N.V. (2010). Life Skills, Personality and Leadership, Rajiv Gandhi National Institute of Youth Development, TamilNadu

[T2] Duffy, Grover,K., Eastwood, A. (2008). Psychology for Living-Adjustment, Growth and Behaviour Today, Pearson Education

Reference Book(s):

[R1] Debra McGregor, (2007), "Developing Thinking; Developing Learning - A Guide to Skillsin Education", Open University Press, New York, USA

[R2] Singh Madhu, (2003). "Understanding Life Skills, Background paper prepared forEducation for All: The Leap to Equality"

[R3] Nair. A. Radhakrishnan, (2010). "Life Skills Training for Positive Behaviour", Rajiv Gandhi National Institute of Youth Development, Tamil Nadu.

[R4] Dahama O.P., Bhatnagar O.P, (2005). "Education and Communication for Development,(2nd Ed.)", Oxford& IBH Publishing Co. Pvt. Ltd. New Delhi

Course Code: DID-4002

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Design & Landscape-II

Course Details

UNIT-I

Preparing Interior Scheme for

(i) Office Area for Architects or Interior Designers, Any Office

(ii) Office Private individual office

UNIT-II

Commercial office containing Reception Area chairman's chamber, Directors Room, Staff area with open cubicles, pantry & Toilet /Washroom area, conference hall & common staff area and drawing required as layout plans, elevation and perspective Views of different area in color with use of proper accessories, plants and flower arrangement for various areas of office.

UNIT-III

Fast Food Restaurant: - Existing Restaurant in neighborhood with layout plan and perspective view in the form of free hand sketches.

UNIT-IV

Public Park of your own colony/ area or specified park by the faculty. Create space for public function stage and gazebo etc. Terrace garden to be designed, laying of grass on terrace, potted plants, hanging baskets, use of lights and making sitting areas for small family get-togethers.

Drawing required: -

Layout plan, Elevations, and Perspective view of different areas in color with use of proper Accessories, plants and flower arrangements for various areas in office.

NOTE: - Design to be made by students under the guidance of faculty, lecture, demo visit of various malls/ shopping area for restaurants/ fast food visit, visit of nursery for the knowledge of plants and sculptures.

Text Book(s):

[T1] Indoor Plants by Xania Field

[T2] World Architecture (With Introduction to landscape Architecture) by G.K. Hiraskar [T3]

World of house plants by JOHANS

[T4] Indoor garden by HUNTER

[T5] Indoor gardening by READER DIGEST ASSOCIATION

(LONDON) [T6] Japanese homes and gardens by Marcus G. Sims

Reference Book(s):

[R1] Interior Decoration by Satish Chandra Agarwala

Course Code: DID-4003

Breakup: 1 – 0 – 4 - 3

Course Name: Display Design-III

Course Details

UNIT-I

- Island display. Use and importance of island display.
- Special equipment's and display aids.
- Electronic and mechanical devices to create movement in display.
- Display of handicraft and handlooms of different states
- Electronic goods using proper theme.
- Furniture of different types (Residential, offices, etc.)

UNIT-II

Preparation of plans, elevations, and 3D views in colour showing proper use of lights, colours, lettering and props.

UNIT-III

- Wall-cum-island display.
- Furnishing store, toy shop, sports goods, etc.

UNIT-IV

- Preparing plans, elevation and view, at least two different types of projects to be done in each semester.
- For understanding lectures demonstration in studio classes, visits to various showrooms, emporia, malls, exhibitions, etc.
- Brief reports of the visits to be submitted.

Note: Demonstration and visit to various malls, stores, exhibition and workshops.

Practical: Sketching existing display and making sketch files on various topics.

Course Code: DID-4004

Breakup: 1 – 0 – 4 - 3

Course Name: Furniture Design Workshop-IV

Course Details

UNIT-I

Introduction & Study of the space saving furniture. Residential & Commercial area

UNIT-II

Different material used for making furniture like cane, Bamboo, Wood, Glam, Metal, PVC.

UNIT-III

Concept of folding & Knock Down furniture, Movable, Modular furniture

UNIT-IV

Different finishes used on furniture according to the climatic Conditions of different Countries.

Note:

1. Furniture to be designed freehand sketch files to be made topic wise.
2. Visit to various furniture workshop exhibitions and showrooms for demonstrations and information from time to time

Text Book(s):

[T1] The Encyclopedia of Furniture, Joseph Aronson, Crown Publishers, New York

[T2] Time Saver Standards for Interior Design, Joseph De Chiara, McGraw Hill, New York [T3]

Portable Furniture by Vicki Brooks

[T4] Shelves and Cabinets by Alexandria, Virginia

Reference Book(s):

[R1] Interior Design, Francis D.K. Ching, John Wiley & Sons, New

York [R2] Office Furniture, Susan S. Szenasy, Facts on file Inc, New

York

Course Code: DID-4005

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Services-II

Course Details

UNIT-I SOUND AND THERMAL INSULATION

- Behavior of heat and sound propagation
- Acoustical defects such as echo, reverberation, sound foci
- Methods of correcting
- Sound absorbing materials
- Use of sound insulating materials in interiors like auditorium conference hall typing room

UNIT-II FIRE SAFETY SYSTEMS

- Causes of fire, Fireproof (Resistant) material, Application of fire proof (Resistant) material
- Survey - Firefighting equipment's

UNIT-III VENTILATION

- Ventilation (i) Natural (ii) Artificial or Mechanical
- Requirement of ventilations system, Artificial (mechanical) Ventilation systems - Extraction, Plenum, Extraction-Plenum, AirConditioning

UNIT-IV AIR CONDITIONING

- Definition
- Essentials of comfort Air Conditioning
- Types - Unit A/C, Central A/C, Split A/C, Package Unit, Central and Direct Expansion & Chilled water system(Indirect)
- Essentials of Air conditioning - Filtration, heating and cooling, humidification or dehumidification, air Circulation or distribution
- Latent heat, ton of air conditioning, refrigeration etc.

Note: Case study of Analysis of existing building

Text Book(s):

- [T1] Building Construction by B.C.Punmia [T2] Building Construction by Sushil Kumar [T3] Materials by RANGWALA
[T4] Sanitary engineering by RS DESHPANDEY
[T5] Water supply and sanitation by CHARANJIT SHAH
[T6] A-Z of practice building constructions & its management By SANDEEP MANTRI [T7] Electrical engineering by O.P. SHUKLA
[T8] Water supply and sanitation engineering by P.K. UPADHYAY

Reference:

- [R1] Fire Fighting by S. Shah
[R2] Ready Reckoner by Charan Jeet S. Shah

Course Code: DID-4006

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Materials & Construction Techniques-III

Course Details

UNIT-I PANELING

- Design and fixing details of paneling,
- materials used for paneling in interior
- Paneling in plywood

UNIT-II PARTITIONS (SPACE DIVIDERS- FULL OR HALF PARTITIONS)

- Types
- Simple partitions in wood, glass and metal
- Movable partitions
- Sound proof partition
- Various modern materials available in markets

UNIT-III FALSE CEILING (TIMBER)

- Purpose
- Materials used for fixing and finishing.
- Design and details of false ceiling in timber.

UNIT-IV FALSE CEILING (OTHER MATERIALS)

- Role of glass, gypsum, POP in false ceiling
- Fixing of Plaster of paris in false ceiling

Text Book(s)

[T1] Building Construction by Sushil Kumar

Reference Book(s)

[R1] Building Constructions by W. B. Mckay, V.P. Sikka, B.C. Punmia, ARORA AND BIRDI

Course Code: DID-4007

Breakup: 1 – 0 – 4 - 3

Course Name: Autocad-II

Course Details

UNIT-I

- Introduction to working in AutoCAD and layers
- Introduction: the x, y co-ordinate system, AutoCAD basics, Layers
- Layer, text and dimensioning
- Working with layers

UNIT-II

- Drawing insertion, object snap, zooming and panning
- Insert a graphic file into an existing Visio drawing
- Insert command
- Building Information Modeling, wrapping it up
- Benefits of CAD Design
- What is AutoCAD?
- Starting AutoCAD
-

UNIT-III

PLAN AND 3D VIEW DRAWING

- Introduction
- 3D CAD Terminology
- Isometric Drawing
- The 3D co-ordinate system
- 3D rotation
- Viewing in 3 -D objects
- Wire frame Drawing Techniques
- Line thickness Drawing Techniques
- Regions and 3-D faces
-

UNIT-IV ENHANCED 3-D

- Extruding and lofting
- Revolving objects
- AutoCAD 3-D modeling -3D views
-

Text Book(s)

[T1] Mastering AutoCAD by George Omura (BPB Publications)

Reference Book(s)

[R1] Joseph A. Fiorello, CAD for interior: Beyond the basics John Wiley & Sons

[R2] John K. Krouse, what every engineer should know about CAD & computer aided manufacturi

Course Code: DID-4008

Breakup: 0 – 1 – 8 - 5

Course Name: Interior Project-III

Course Details

Nursery school-cum-day boarding and activities school study at least two schools in the neighborhood. Submit the report before initiating the project.

Drawings required are-

- Layout plan of different areas and small open activity area.
- Furniture and special furniture for day boarders.
- The overall ambience with effective designs and landscape.

Creative Art Center: - For the age group of 12 onwards to learn dance, drama, music, drawing, painting, etc. Required drawings are the same as above (nursery school project).

Course Code: DID-5001

Breakup: 3 – 0 – 0 - 3

Course Name: Technical English

Course Details

UNIT-I

Technical Writing: Definition, Purpose and Characteristics of Technical Writing.

Technical Writing Skills: Methods and means of the Pre-writing stage, the Writing Stage and the Post-Writing Stage.

UNIT-II

Formal Formatting: Arrangement of Formal Elements, Front Material, Format Devices in the Body of Formal Report-Heading, Pagination, End Material - Citations, References and Bibliography, Appendix.

UNIT-III

Writing and Designing for Electronic Media: Use of Internet as a Writing tool; designing and writing for multimedia applications and the World Wide Web.

UNIT-IV

Research and Writing Ethics: Explaining Forms and Consequences of Plagiarism, Introduction to Intellectual Property Right and Copy Right Laws.

Text Book(s):

[T1] Sides, Charles H., "How to Write and Present Technical Information", Cambridge Univ. Press, 1999.

[T2] Basu, B. N., "Technical Writing", PHI Learning Pvt. Ltd., 2007.

Reference Book(s):

[R1] Beer, David F. and David A. McMurrey, "A Guide to Writing as an Engineer", New York: Wiley, 2005.

[R2] Gibaldi, Joseph, and Walter S. Achtert, "MLA Handbook for Writers of Research Papers, Thesis, and Dissertations", Modern Language Association, 1980.

[R3] Rubens, Philip, "Science and Technical Writing: A Manual of Style", Routledge, 2002.

[R4] Anderson, Marilyn, Pramod K. Nayar, and Madhucchandra Sen, "Critical Thinking, Academic Writing and Presentation Skills", Pearson. 2010.

Course Code: DID-5002

Breakup: 3 – 0 – 0 - 3

Course Name: Legal Ethics & Professional Practice

Course Details

UNIT-I Introduction - Contract Document

- Contract and conditions of engagement of interior projects
- Responsibilities, liabilities, and duties of interior designer
- Terms and conditions for entering Contract, Scale of charges and mode of payment for the professional services to be offered Duties and liabilities as per the Architect Act, 1972, Contractor's and Owner's (Employer's) Duties and liabilities.

UNIT-II Professional Procedures:

- Procedure from date of enquiry, keeping of cost, job records, modifications, alteration to estimates, Preparation of schedules and progress charts, Supervision of sub-trades and sub-contractors.

UNIT III Code of Practice

- Confidential information for client's employer, Encroachment on existing project of another designer in direct competition, Fees, scale of charge, commission, and discount, retaining fees, rejection.
- Advertising, press display, classified columns, announcement of change of address, size of name plate etc.
- Conditions of agreements and terms of contracts alternatives agreements, out of pocket expenses, stages of payment, settlement of disputes and arbitration.

UNIT IV Job Procedures

- Regulations & restrictions on various types of new & old work, Local by-laws pertaining to interiors & renovation of buildings, Storage & maintenance of plants & materials, Liabilities, Local tradesmen working conditions & practices.

Text Book(s):

[T1] Professional Practice by Dr. Roshan H. Namavati

[T2] Metric Handbook (Planning & Design Data) 2nd Ed. Edited by, David Adler

Reference Book(s):

[R1] Professional Practice by [Krishnamurthy K.G](#)

[R2] The Construction of Building by R. Barry.

Course Code: DID-5003

Breakup: 1 – 0 – 4 - 3

Course Name: Interior Design -I

Course Details

UNIT-I

- Green Architecture - Construction Techniques & usages of building materials - efficient, earth friendly or recycled for the creation of eco-friendly & intelligent interiors.
- Fire Safety - Introduction to fire safety, causes of death in fire, Responsibility of Designer's towards fire safety.
- Disaster Management - Understanding Disasters, Geological and Mountain Area Disasters, Wind and Water Related Natural Disaster, Man Made Disasters.

UNIT-II Perspective in all mediums

Eating house: Cuisine based restaurants and fine dining areas. Bed and Breakfast or Guest House Project with dining area which could be used for small events like Birthday Parties, weddings, functions (like Mehndi, Sangeet, etc.) or for exhibitions, etc.

UNIT-III Washroom -Perspective in all mediums.

- Residential area with all latest equipment's, Commercial washroom; Either of 5 Star Hotel or a Mall.

UNIT-IV Perspective in all mediums

- A retail outlet like Reliance Fresh, Big Apple, Save Max, Big Bazar, etc
- Layout plan, elevation with special stacking racks, special effects of light in displays area of goods, 3D view in color. In all projects drawings required would be: Plan, light/ electrical plan, elevations, 3D views, sketches of special related services and areas too.

Text Book(s):

[T1] Color dictionary by Brasi & Workman [T2] Indian history by Goyal

[T3] Building Services, Anthony Rowley [T4] Fire Fightings, S. Shah

[T5] Great interiors by Grant

[T6] Central Water Commission, 1989, Manual of Flood Forecasting, New Delhi.

Reference Book(s):

[R1] Interior design by Ahmed A. Kasu

[R2] Landscape Detailing Surfaces- Michael Littlewood [R3] Illustrated history of Interior Decoration by Praz

Course Code: DID-5004

Breakup: 1 – 1 – 4 - 4

Course Name: Visual Merchandising -I

Course Details

UNIT-I Atrium/ Foyer Display

- What is atrium or foyer display?
- Its importance and how to present the same?
- Scope of atrium display,
- Planning and colored view for approval on sheet/ drawings.

UNIT-II Automobile

- Car
- Two Wheeler
- Cold drinks or new juice corner introduction in the atrium

UNIT-III Mobile displays

- Its importance and use
- Introducing new products with the help of publicity material like placard, hoarding, leaflet/flyers

UNIT-IV

Exercises on cosmetic display, landscape, plants and landscape accessories display

NOTE: Students must visit malls, shopping areas, exhibitions for the understanding the same.

Text Book(s):

- [T1] Image India by Dhamija
- [T2] Indian folk art and craft by Dhamija
- [T3] Indian cultures through the ages by Vidhyarthi

Reference Book(s):

- [R1] International shop design by Kasper
- [R2] Indian architecture according to silpsastra by Acharya

Course Code: DID-5005

Breakup: 1 – 1 – 4 - 4

Course Name: Product Design -I

Course Details

UNIT-I:

- Section of material, understand the properties of material
- Material to work on I unit is PAPER
- Products which can be made are: Pen stand, tissue paper box, gift box, wedding card box, sweets or chocolate box. The drawing with complete size and details must be made.

UNIT-II:

Material: - mount board, choksi board

Products: - Photo frame, table calendar, wall clock, wall hanging, etc. With proper design and drawing on sheet with details.

UNIT-III:

Material: - Thermocol

Products: - accessories/ props for Birthday Party for theme oriented, etc.

All these accessories must be drawn on paper with complete details and color schemes Prepare: Masks for different occasions, Candles, Diyas, Flowers, etc. to orient the theme

UNIT-IV:

Material: - Cloth, wire, ribbon, wool, sutli, etc.

Products: - wind chimes, decorative balance, flowers with cloth, ribbon and wool, etc. All designs to be made on drawing sheets

TOOLS/ EQUIPMENTS REQUIRED FOR HOLDING PRODUCT DESIGN

WORKSHOP: Scissors, paper cutters, pliers, small hammers. These are required for cutting the edges of material smoother and turning and twisting of wire, or other materials for better and firm joints.

Text Book(s):

[T1] Wood bonding handbook by Stevens & Turner [T2] Indian decorative design by Aryan
[T3] Furniture in color by Synge [T4] Furniture making by Collishon

Reference Book(s):

[R1] Furniture face lifts by Wagstaff & Thurgood [R2] How to make your own furniture

Course Code: DID-5006

Breakup: 1 – 1 – 4 - 4

Course Name: Interior Materials & Construction Techniques-V

Course Details

UNIT-I

TECHNICAL TERMS - e.g. Tread, riser, flight, landing, nosing, Scotia, soffit, newel post, balusters, headroom, handrail, balustrade, etc.

REQUIREMENTS OF GOOD STAIRS:

- Location
- Width of stair
- Length of flight
- Pitch of stair
- Headroom
- Balustrade
- Step dimensions
- Material of construction

UNIT-II

- Calculation of step size
- Types of steps-
 - Round ended
 - Bull nose step
 - Flier
 - Splayed step
 - Commode step
 - Dancing step
 -

UNIT-III CLASSIFICATION OF STAIRCASE

- Straight
- Turning stairs- quarter turn
- Half turn (dog legged, open newel, geometrical)
- 3-quarter turn
- Bifurcated
- Continuous stair (circular, spiral, helical) in different materials like Timber, Metal, Stone, Brick, RCC etc.

UNIT-IV CLADDING & CEILING MATERIALS & FINISHES & its APPLICATION -

- Define Cladding
- Stone, Timber, Weather Board, Fiber Cement, Brick
- RCC, Vinyl, Metal, etc.

TYPES OF FALSE CEILING:

- Gypsum, Plaster of Paris, Wooden, Glass, Metal,
- Synthetic Leather or Cloth Ceiling.

Text Book(s):

- [T1] The Construction of Buildings - Barry
[T2] Building Construction VOL. 1, 2, 3, 4 BY W.B. Meckay
[T3] Interior Construction & Detailing - David Kent Ballast.

Reference Book(s):

- [R1] Building Construction by B.C. Punmia

[R2] Building Construction By SanjayMahajan

Course Code: DID-5007

Breakup: 1 – 0 – 8 - 5

Course Name: Interior Project-IV (Minor Project)

Course Details

Project which can be undertaken (any one) is Bank, Library or Airlines office.

First, they must study the existing office by the visiting and understanding the work of the project,

minimum space requirement and division of work stations.

Submit a report of their visit with some existing areas. Drawings requires in the form of sketches. Give a presentation on the same in the class.

The project will be given by the teacher.

Drawing required:

- Number of people working
- Workstations
- Furniture layout plan with amenities required
- Finishes: wall, floor and ceiling
- Light/ electric plan
- Elevation of all existing areas
- 3D views with color
- Sample chart-
 - 1) wall finishes like paint or any other finish
 - 2) floor finish samples, ceiling finishes with samples
 - 3) Furnishing samples with all rates and fixing expenditure, etc. which would give the approx. expenditure to be incurred in the project. VIVA on the project with internal and external exams to be held after the submission of the project using AutoCAD.

Text Book(s):

[T1] Color dictionary by Brasi & Workman

[T2] Indian history by Goyal

[T3] Floor design by Sareen

[T4] Ideal home book of kitchen

[T5] Great interiors by Grant

[T6] Interior design principles by M. Pratap Rao

Reference Book(s):

[R1] Interior design by Ahmed A. Kasu

[R2] Encyclopedia for color theory

[R3] Illustrated history of Interior Decoration by Praz

Course Code: DID-6001

Breakup: 3 – 1 – 0- 4

Course Name: Entrepreneurship & Project Management

Course Details

UNIT-I ENTREPRENEUR

- Concept and nature, scope and philosophy of entrepreneurship
- Distinction between self-employment and entrepreneurship
- Importance of entrepreneurship and self-employment in our country
- Entrepreneurial traits
- Different forms of business organizations (sole proprietorship, partnership, co-operative societies, public and private undertakings)

UNIT-II ENTREPRENEURIAL SUPPORT SYSTEM

- Introduction
- Sources of information
- Market survey and opportunity identification
-

UNIT-III ELEMENTS OF MANAGEMENT

- Principles of management and managerial functions like planning, organizing, staffing, directing, and controlling, industrial management
- Value of human relations in management

UNIT-IV PROJECT MANAGEMENT

- Introduction to project management
- Time of progress chart, bar chart, Gantt chart, CPM & PERT
- Planning of activities
- Allocation of time to various activities
- Personal management and industrial relations- recruitments, selection, training, wage and salary administration related to small industries
- Costing- methods and techniques of minimizing cost
- Marketing- concept and functions, marketing mix, product planning, salesmanship and its principles
- Sources of finance
- Setting up of small scale industry with proper knowledge of Government Policies for financial resources (like banks and other financial bodies).

Text Book(s):

- [T1] Entrepreneurship development and management by R. K. Singhal
[T2] Strategic Entrepreneurship by P. K. Gupta

Reference Book(s):

- [R1] Construction management and accounts by V. N. Vazirani & S. P. Chandola
[R2] Principles of management by Y. K. Bhushan

Course Code: DID-6002

Breakup: 1 – 0 – 4- 3

Course Name: Interior Design-II

Course Details

UNIT-I

- Introduction to Climatology, Climate & Role of Interior Designer.
- Design for Hot, Dry & Humid Climate. Implementing in different Designs.
- Surveying - Definition, Objective & its types.

UNIT-II

Coffee bar with book magazines and gift stalls, a special souvenir walls of their brand **Drawings required:**

- Plan, elevations, light/ electric plan, special effect of walls, ceiling and exclusive furniture 3D views with vibrant color schemes.
- Coffee shop 24 hrs at 5-star hotel with Breakfast Island, lunch buffet, at night sweet & salad bar for minimum covers of 80-100.

Drawings required:

- Plan, elevations, light/ electric plan, special effects of different display of meals (breakfast, lunch dinner, etc.), 3D views in color creating an ambience to attract all age groups.

UNIT-III

- Unisex beauty parlour with chai/ coffee bar area with listed eats, The parlour must have latest equipment's.

Drawings required:

- Layout plan, special light required for treatment, 3D views with color and special furniture required for parlour

UNIT-IV

- Apparel and accessories studio for all (kids, men and women) all age group with special brand like ZARA, BENETTON, etc. with window display in front of the shop. Special display counter for display of apparel and racks for stacking

Drawings required:

- Plan, elevation with special wall treatment, 3D views in color and highlight the display areas.

Text Book(s):

- [T1] Color dictionary by Brasi & Workman
- [T2] Indian history by Goyal
- [T3] Floor design by Sareen
- [T4] Ideal home book of kitchen
- [T5] Encyclopedia for color theory
- [T6] Illustrated history of Interior Decoration by Praz

Reference Book(s):

- [R1] Great interiors by Grant
- [R2] Interior design by Ahmed A. Kasu

Course Code: DID-6003

Breakup: 1 – 1 – 4- 4

Course Name: Visual Merchandising -II

Course Details

UNIT-I

- Design a mela/carnival
- Difference between the two, importance of exhibition Ex- project on mela (Suraj Kund or Diwali mela)

UNIT-II

- EX- Carnival in school or colonies
- Christmas or new year
- Design with accessories and props- the project planning and 3D views in color

UNIT-III

- Exhibition private (of an individual)
- Group of artists to participate under one roof.
- Interior designer, furniture designer, accessories designer, light designer new material introduction Ex- Planning and 3D views in color.

UNIT-IV

Exhibition like trade fair, weekend one-day show of different states and countries, studio project with planning and colored views as presentation.

Note(s):

- Students must visit exhibition at trade fair ground and at various malls, etc.
- Students after learning the designing of exhibition can work as visual merchandise designer and can take up independent projects.

Text Book(s):

[T1] Image India by Dhamija

[T2] Indian folk art and craft by Dhamija

[T3] Indian cultures through the ages by Vidyarthi

Reference Book(s):

[R1] International shop design by Kasper

[R2] Indian architecture according to silpsastra by Acharya

Course Code: DID-6004

Breakup: 1 – 1 – 4- 4

Course Name: Product Design -II

Course Details

UNIT I:

Design and make any one product in metal sheet foil or out of waste cans or bottles (glass, plastic, tin) which can be easily cut with scissors or cutters.

UNIT II:

Material- clay/ terracotta/ tiles Design, draw and create masks, door handles, knobs of clay hand work. Terracotta- tiles and work on them with ethnic motives create wall murals, tabletops, planters, etc.

UNIT III:

Design on sheets different types of furniture items like different types of tables, chairs, beds and some small items like racks, shelves, bench, planters, etc.

UNIT IV: One furniture (with joinery details) to be constructed in workshop, polish, painting, for the purpose of learning the finishes on furniture.

Text Book(s):

- [T1] Wood bonding handbook by Stevens & Turner
- [T2] Indian decorative design by Aryan
- [T3] Furniture in color by Synge
- [T4] How to make your own furniture

Reference Book(s):

- [R1] Furniture making by Collisehon
- [R2] Furniture face lifts by Wagstaff & Thurgood

Course Code: DID-6005

Breakup: 1 – 0 – 4- 3

Course Name: Interior Budgeting and Estimation

Course Details

UNIT-I Estimate:

- Different Types
- General Principles of approx. methods of costing for various interior works for all types of old & new works.

UNIT-II Specification:

- Definition.
- Principles of specification
- Types of specification
- Partition
- Partitional walls commercial Plywood, block board Laminated Sheet, glass etc.
- Plastering with cement mortar.
- Flooring -Cement conc., marble, mosaic
- Distempering & Colours washing.
- Wood work: - Doors, window, partition, cabinet sets, false ceiling, furniture wallPartitions, wall paneling, table, chair etc.
- Water supply & Sanitary Fitting etc.

UNIT-III Taking out Quantities:

- Units of measurement -cubic meter, square meter, running meter.
- General rules for measurements.
- Quantity Survey: Spot item
 - > Prime cost
 - > Provisional sums
 - > Costing of work

UNIT IV

- Data collection & keeping information of market prices of materials
- Exercises on preparation & calling of Tenders.
- Estimation & Schedule of Quantities for furniture pieces
- Estimation of one complete project of interior
- Preparation of above estimates using computer software

Text Book(s):

[T1] A Text Book of Estimation, Costing and Valuation by Gurcharan Singh and Jagdish Singh

[T2] Budgeting & Estimation by B. N. Dutta

Reference Book(s):

[R1] Civil Estimating & Costing by Amarjit Agarwal and A. K. Upadhyaya

Course Code: DID-6006

Breakup: 0 – 0 – 1- 6

Course Name: Interior Project-V (Major Project)

Course Details

Projects: Mall, Medical interior (nursing home, poly clinic, E.N.T. or dental clinic)

The student must study any one given project by visiting the existing sites; understand the working and requirement of the existing interior of the same.

An independent presentation by the student in class Then the project will be given by teacher to students.

Drawing required:

Layout plan & electric plan, special furniture requirements creating proper ambience to make the area comply with bylaws.

The standards and norms, elevations of existing areas with all types of finishes, 3D views in color and all interior Drawings to be made in AutoCAD & 3Ds MAX.

After completing the project students must submit the necessary drawings, documentation and presentation of high professional standards and the entire design process and methodology must be meticulously documented.

Text Book(s):

[T1] Color dictionary by Brasi & Workman

[T2] Indian history by Goyal

[T3] Floor design by Sareen

[T4] Ideal home book of kitchen

[T5] Great interiors by Grant

[T6] Interior design principles by M. Pratap Rao

Reference Book(s):

[R1] Interior design by Ahmed A. Kasu

[R2] Encyclopedia for color theory

[R3] Illustrated history of Interior Decoration by Praz