



सावित्रीबाई फुले पुणे विद्यापीठ

**Savitribai Phule Pune University, Pune,
Maharashtra, India
Faculty of Science and Technology**



**Second Year B. Design (Interior Design)
2025 Pattern
Syllabus Detail**

(With effect from Academic Year 2026-27)



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Savitribai Phule Pune University
Faculty of Science and Technology

Semester - III



DETAILED SYLLABUS OF B.DES. (INTERIOR DESIGN)

SECOND YEAR - SEMESTER III

(2025 Pattern)

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| DESIGN PROJECT 1 | | |
|--|--------------------|------------|
| COURSE CODE | 2202617 (SV) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 8 Studio TOTAL = 10 hrs/week | CIE SV | 100 100 |
| TOTAL MARKS | 200 | |
| TOTAL CREDITS | 6 | |

COURSE OBJECTIVE:

1. To understand space in terms of volume and planes and produce design solutions based on context, requirements, anthropometry, functionality and aesthetics.
2. To introduce students towards design of Residential spaces.

Design parameters in terms of typology: Flat/Bungalow/Row House/ Bachelor’s Apt. / Studio Apt. etc.

Typology scale: Approx. 1200 to 1500 Sq. ft.

COURSE CONTENT:

1. Study of Anthropometry – human dimensions, its proportions and relevance in design.
2. Detailed study of residential spaces: such as, living, dining, bedrooms, kitchen, toilet etc. on Furniture layout, circulation, clearances, functionality, aesthetics etc. through Case studies & analysis.
3. Design development: Site Analysis, Design brief, zoning and circulation diagrams, mood board, conceptual sketches etc.
4. Study Models: Understanding space in terms of volume and planes through study models.
5. Design solution through detailed drawings.

SUBMISSION REQUIREMENT

1. Study of human anthropometry in terms of residential spaces.
(Data Collection)
 2. Analytical study of typical interior layouts with respect to activities, functions and requirements etc. **(Case Studies)**
- } (25%)

3. Site Analysis: Documenting Site and its context (through Drawings and photo Documentation)
 4. Design concepts, Formulation of Design Brief and Design development
 5. **Drawings** – Plans, Sections, Details, Views, Study Models, Colour & Material Pallet etc.
- } (60%)

6. Presentation drawings of design project. **(15%)**

NOTE: Quick study models expected out of materials such as Paper/ File Boards/Foam Boards/ Pop etc.

METHOD OF INSTRUCTION

Minor Projects can be taken for Topic 1 and 2, with focus on 'Analysis' of Anthropometry, Functionality etc.

Supervised Case Study visits and Site visits to be done for 3 and 4.

Well-designed Interior spaces to be taken for Live Case Studies.

2 to 3 Case Studies can be done online/ Book as well.

Guest Lectures/ interaction related to topic shall be organized.

Online Lectures for some topics from NPTEL, Coursera can be organized.

COURSE OUTCOME:

The students will be able to analyse and understand human factors that need to be considered in Interior design.

They will be able to explore spatial volumes through drawings and models.

Recommended Readings:

- Basic design and Anthropometry by Shirish Vasant Bapat.
- The measure of men and women – human factors in design by Allvin R. Tilley and Henry Dreyfuss and associates.
- Visual Dictionary of Architecture by D. K. Ching.
- Interior design by Ahmed Kasu.
- Interior design by D K Ching.
- Time savers standards of interior design
- Neuferts standards.
- Interior World volumes by Archiworld
- Storytelling In Daily Life: Performing Narrative, Kristin M. Langellier and Eric E. Peterson; Temple University Press, 2004
- Apartment Interiors By Charles Broto
- Residential Interior Design by Maureen Mitton, Courtney Nystuen
- The Modern Home by Yateen Pandya
- The Digital Photography Book, Scott Kelby, Peachpit Press, 2006

| MATERIAL & CONSTRUCTION TECHNIQUES 1 | | |
|---|---------------------------|------------------------|
| COURSE CODE | 2202618 (SV) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 4 Studio TOTAL = 6 hrs/week | CIE SV | 50 50 |
| TOTAL MARKS | 100 | |
| TOTAL CREDITS | 4 | |

COURSE OBJECTIVE:

To understand structural systems of buildings, materials used, and construction techniques.

COURSE CONTENT:**UNIT 1: Structural system**

Introduction to the structural systems in a building -- load bearing and reinforced cement concrete.

Building terminologies and structural elements: Introduction to the structure of a building like foundations, slabs, beams, columns, walls, partitions, lintels, arches, doors and its types, windows and its types, ceilings, roof, timber roofs, chajjas, terraces, box windows, staircases, headroom, parapet walls, railings, service ducts etc.

UNIT 2: Bricks

To acquaint students with the traditionally used material, its availability, properties, manufacturing process, acquainting them to the tools and machines required for its construction of brick walls.

Brick variants like sun dried and adobe.

Masonry in Bricks of different thickness, Types of bonds in Brick construction, surface finishes. Concrete blocks-wall construction.

UNIT 3: Stone

Properties, types, procurement, tools and machines required for its handling dressing and construction.

Types of Stone masonry, pointing, construction details.

UNIT 4: Wood

Wood, sourcing of wood, its structure and properties (physical and biological), types, seasoning, market forms, its machining, like cutting, planing, gauging, preservation.

Making of processed woods like ply wood, block boards, Particleboard, Block board, MDF, and allied products of wood.

Doors and its types -- Ledged, braced and battened doors, Paneled doors, Glazed doors, French doors, sliding doors, Folding doors, etc. and their construction details.

Windows and its types -- Ledged, braced and battened windows, Paneled windows, Glazed windows, Bay windows, Sliding windows, etc. and their construction details.

Carpentry with all types of joints -- lengtheningwidening joints, angle joints etc

UNIT 5: Cement: Properties, manufacturing, uses

Concrete: Properties, manufacturing, uses

Light weight construction materials like Aerocon blocks, fly ash etc.

UNIT 6: Flooring: Different types of in situ flooring like, Mosaic, IPC, etc. Different types of flooring: Ceramic, Stone slabs, PVC, Wooden flooring etc.

SUBMISSION REQUIREMENT

Journal

Journal writing with sketches of details, from Unit 2 to 6.

Sheet work :

Unit 1 : Sheet work explaining building parts in Section.

Unit 2 : Brick masonry in different thickness and types of bonds, details.

Unit 3: Stone walls of different thickness and construction details.

Unit 4: Detailed drawings of minimum 5 types of doors and 3 types of windows, with all drawing details.

METHOD OF INSTRUCTION

Regular Site visits, with focus on construction methods and material application shall be organized.

Vendor interactions to give exposure to Brands, materials and development in technologies shall be arranged.

Market surveys shall be encouraged.

Online Lectures for some topics from NPTEL, Coursera can be organized.

COURSE OUTCOME:

This course helps the students to understand materials, their properties and processes and the construction techniques required to execute the designs with specific materials.

Recommended Readings:

- Materials for Interior environments by Corky Binggeli
- Wood: Materials for inspirational design by Chris Lefteri.
- Interior Design Materials & Specification by Godsey Lisa
- Materials: Innovation & Design, Dimitris Kottas, Diana Bennett.
- Materials: Manual & new possibilities by Edward Broto
- Engineering materials by K.P.Roy and Chaudhari.
- Building construction by W.B.Mckay- Vol 1 to 4.
- Building construction by Chudley.
- Building materials by Sushil kumar.
- Woodworkers guide to furniture design.

| ELEMENTS OF SPACE DESIGN 1 | | |
|---|--------------------|----------|
| COURSE CODE | 2202619 (SV) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 4 Studio TOTAL = 6 hrs/week | CIE SV | 75 75 |
| TOTAL MARKS | 150 | |
| TOTAL CREDITS | 4 | |

COURSE OBJECTIVE:

The subject aims at developing observational and creative skills that would enhance the visual perception of students and evolve aesthetic sensitivity.

COURSE CONTENT:

UNIT 1: Space defining elements: Floor, Walls, Roof, Columns, Openings, and Stairs. Their attributes, impacts and influences on space generation.

UNIT 2: Spatial relationship: Transforming space with volumetric divisions, levels, space within space, adjacent spaces, surface transitions, relationship of space with Human scale, relationship between object and environment, impact of light in spaces.

UNIT 3: Form generation in interior spaces through geometry, form transition etc./ Relationship between Form and Space in Interiors.

UNIT 4: Abstraction: Understanding the concepts of abstraction through 2D and 3D compositions.

UNIT 5: Visual perception: Understanding cognitive theories and Gestalt Laws of Psychology --- Laws of similarity, proximity etc. and their relevance in Design, application of Laws in compositions.

UNIT 6: Art forms: Sculpture, Paintings, Furniture, Décor elements etc. that contribute towards space experience.

SUBMISSION REQUIREMENT

Multiple explorations, 2D and 3D corresponding to Units in the form of sketches & models.

METHOD OF INSTRUCTION

Hands on explorations, out of materials such as Paper/ File Boards/Foam Boards/ Pop etc. shall be incorporated.

Computer aided mediums may be used for specific exercises.

COURSE OUTCOME

The course will develop understanding towards creative thinking. It will sensitize them towards visual perception, appreciation and articulation of space and its elements.

Recommended Readings:

- Elements of Space making by Yatin Pandya, Vastu shilp foundation.
- Form, Space and Order by Francis D. K. Ching.
- Elements of Style by Calloway Stephan
- Rethinking design & interiors: Human beings in built environment.
- Thematic spaces in Indian Architecture by Kulbhushan Jain
- A concise history of Architectural styles by Emily Cole
- Principles Of Gestalt Psychology by Kurt Koffka
- Kepes, Gyorgy; Language of Vision, Dover Publications, 1995
- Geometry of Design: Studies in Proportion and Composition, Elam, Kimberly; Princeton Architectural Press, 2001
- The Poetics of Space, Publisher: Bachelard, Gaston; Jolas, Maria (Translator); Beacon Press; Reprint edition, 1994
- Elements of Design, Hannah, Gail Greet; Princeton Architectural Press, 2002
- Elements of Design and the Structure of Visual Relationships, H. G. Greet and R. R. Kostellow, Architectural Press, NY, 2002
- Elements of Design, Gail Greet Hannah, Princeton Architectural Press, 2002
- Design Basics, Lauer, David; Wadsworth Publishing, 1999
- Geometry of Design: Studies in Proportion and Composition, Elam, Kimberly; Princeton Architectural Press, 2001
- The complete guide to illustration & design, Dalley Terence ed.; Phaidon, Oxford, 1980

| HISTORY OF INTERIOR DESIGN 1 | | |
|--|---------------------------------|--------------------------|
| COURSE CODE | 2202620 (P) | 2202621 |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 2 Studio TOTAL = 4 hrs/week | PAPER IN SEM ESE | 100 30 70 |
| TOTAL MARKS | 100 | |
| TOTAL CREDITS | 3 | |

COURSE OBJECTIVE:

To explore the evolution and salient characteristics of spatial forms, design expressions and their influence on the interior spaces in the Indian subcontinent. Understanding the timelines, social, cultural, political and regional influences, design development under various dynasties and time periods.

COURSE CONTENT:

UNIT 1: Overview of evolution of civilization, Pre historic period settlements of ancient Greek, Roman, Egyptian, Indus valley civilization and settlements. Relationship between Art & Design from the earlier periods.

UNIT 2 : Vedic civilization, Study of Buddhist and Hindu period, development of habitable spaces, Religious spaces, Harmony between architecture and interior in religious spaces – architecture, spatial components and their treatments.

UNIT 3: Mughal architecture in India, influence of their lifestyle on the architectural styles and eventually the interiors, Furniture, art forms, artefacts, motifs, patterns etc.

UNIT 4: Colonial and Indo-saracenic style, quality of space, Ornamentation and decoration.

UNIT 5: Study and evolution of habitable spaces in connection with regional and geographical contexts, lifestyle, culture, indigenous art forms, materials and techniques, responses and expressions. Elements of style, materials and concepts of interiors in vernacular & secular architecture across India; Pals of Gujrat, Bhungas of Rajasthan, Wadas of Maharashtra, etc.

UNIT 6: Chinese and Japanese Interiors, art forms and motifs.

SUBMISSION REQUIREMENT

Journal writing on all the Units with sketches pertaining to topics taken.

Sheet work for Unit 5.

COURSE OUTCOME

The students will understand the evolution of architecture & interior spaces during different historic time lines.

They will be able to critically assess design responses, integrating cultural and regional contexts.

Recommended Readings:

- History of world architecture, Llyod S & Muller H.W., Publications ; Faber & Faber Ltd.
- Indian architecture Buddhist and Indo period by Percy Brown.
- Indian Architecture (Islamic Period) by Percy Brown.
- Masterpieces of Traditional Indian Architecture, Satish Grover
- The Arts of Kutch, Christopher W. London
- A concise history of Architectural Styles, Emily Cole
- History of Modern Design, David Raizman; Prentice Hall, 2004
- <http://designhistorytimeline.com/>
- Journal of Design History, Oxford Journals
- Beginnings of Interior Environments by Lynn M. Jones, Heidi Plumb

| INTERIOR DRAWING & GRAPHICS 1 | | |
|--|---------------------------|------------|
| COURSE CODE | 2202622 (SS) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 1 Lectures + 4 Studio TOTAL = 5 hrs/week | CIE | 50 |
| | SS | 50 |
| | Paper | Nil |
| TOTAL MARKS | 100 | |
| TOTAL CREDITS | 3 | |

COURSE OBJECTIVE:

To understand different methods and techniques of making Interior drawings.

COURSE CONTENT:

1. To introduce the students to the units and modes of measurements, scales and use of appropriate scales for various drawings.
2. To introduce students to the use of orthographic projections as a tool for drawing architectural plans, sections, elevations showing the interior layouts in detail.
3. Use of lettering, texting and dimensioning as an effective way of communicating the drawings.
4. Drawing Isometric and Axonometric views in interior spaces.
5. Understanding the graphical representation of materials on the drawings through various symbols, rendering techniques.
6. Sketching and rendering techniques essential for communicating the landscape, furniture and interior space elements.
7. Learning the techniques of making a presentation drawing with renderings in different mediums like water colours, pencil colors, graphite pencils, and charcoal.

Note : 70% weightage to be given to Assignments related to Technical Drawings.
30% weightage to be given to Illustration techniques.

The drawings shall be manually done.

Due consideration shall be given to the presentation of drawings on sheets.

SUBMISSION REQUIREMENT

1. Assignment on use of Scales, by increasing and reducing scales to draft drawings and details on appropriate scale.
2. Exercise on Standard lettering and dimensioning styles for execution drawings.
3. Assignment on Measurement drawings- Measurement of any given space with all its structural elements and drafting it on Scale.
4. Introducing technical drawings of Interior spaces, drawing Plans and Sections and execution drawing layouts.

5. Exercise on drafting any one room from their Design, using all the above techniques learnt.
6. Making 3D Isometric and Axonometric views with furniture of the given space.
7. Rendering of Plan, Sections, Elevations and Views with various mediums like water colours, pencil colours and inking of drawings.

COURSE OUTCOME

This course will equip students with the skills of drafting, understanding graphic language and communicating through drawings in a legible and effective manner.

Recommended Readings:

- Interior Design Visual Presentation Guide to Graphics, models & presentation methods, Wiley publications
- Hand drafting for Interior Design by Diana Bennett, Wirtz Kingsley
- Drawing for Interior Design by Drew Plunkett - Laurence King publishing
- Rendering with pen and ink by Robert W Gill
- The architectural drawing course by Thames and Hudrey.
- Geometrical drawings for arts students by I.H.Morris and William Jesse.
- Presenting architectural designs by Koos Eissen.
- The complete guide to illustration & design, Dalley Terence ed.; Phaidon, Oxford, 1980

| ELECTIVES 1 (Software Electives) | | |
|---|---------------------------|------------|
| COURSE CODE | 2202623 (SS) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 1 Lectures + 2 Studio TOTAL = 3 hrs/week | CIE | 25 |
| | SS | 25 |
| | Paper | Nil |
| TOTAL MARKS | 50 | |
| TOTAL CREDITS | 2 | |

COURSE OBJECTIVE:

1. To introduce the students to the use of computer aided design tools for drafting and presentations.
2. To use computer as a tool in visual perception of Interior spaces.

COURSE CONTENT

1. Demonstrations of the tools in the CAD software and their applications to produce 2D drawings.
2. Equipping students to produce detailed CAD drawings.
3. Equipping students with Printing techniques in the software.
4. Learning allied drawing software's like Sketch Up to generate quick interior modelling spaces.

SUBMISSION REQUIREMENT:

1. Assignment on each CAD tool to be covered during class.
2. Drafting plans, sections, elevations in model space with all necessary tools, for effective drawing communication like, layers, line thicknesses, text, dimension styles, hatching etc.
3. Exercise on Sketch up- interior view, applying materials, shadows etc.
4. Printing the drawing to Scale.

COURSE OUTCOME:

This course will introduce students to computer aided skills, required as an essential skill set for Designers.

Recommended readings: -

User manual of related software.



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Savitribai Phule Pune University
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Semester - IV



DETAILED SYLLABUS OF B.DES. (INTERIOR DESIGN)

SECOND YEAR - SEMESTER IV

(2025 Pattern)

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| DESIGN PROJECT 2 | | |
|---|---------------------------|---------------------|
| COURSE CODE | 2202624 (P) | 2202625 (SV) |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 8 Studio TOTAL = 10 hrs/week | Paper/Theory | 50 |
| | In Sem | 50 |
| | ESE | |
| | Total | 100 |
| | SV | |
| | CIE | 100 |
| | ESE | 100 |
| | Total | 200 |
| TOTAL MARKS | 300 | |
| TOTAL CREDITS | 6 | |

COURSE OBJECTIVE:

This subject aims at introducing students to the larger scale projects.

The course will encourage students, to handle multiple users and public at large.

It will give them the exposure of handling services and functionality simultaneously.

Design parameters in terms of typology: Offices, Consultancies, Banks, Financial services, Studios, Polyclinics, etc.

Area minimum: 2000 Sq. ft. to 3000 Sq ft.

COURSE CONTENT:

1. Detailed study of selected Typology and its requirements. Study and analysis of related data. Study of Anthropometry. Case study and analysis of designed spaces

2. Design development: Site Analysis: Documenting space (Drawings and photo documentation)

Design brief, zoning and circulation diagrams, mood board, conceptual sketches, spatial explorations etc.

3. Detailed drawings for Design solutions.

4. Views, colour and material pallet.

5. Conceptual integration of Interior Services learnt –Plumbing, Electrification, and Firefighting, in the design solutions.

SUBMISSION REQUIREMENT

1. Study of anthropometry, required for Office spaces related to selected typology. **(Data Collection)**

2. Analytical study of typical interior layouts with respect to activities, Functions, requirements, service integration, aesthetics and etc.

} (20%)

(Case Studies)

- | | | |
|--|---|--------------|
| 3. Site Analysis: Documenting Site and its context through Drawings, photo Documentation and its analysis. | } | (60%) |
| 4. Design concepts, Formulation of Design Brief and Design develop | | |
| 5. Drawings – Layout Plans, Sections, Service drawings, Colour & Material Pallet, Details, Views etc. | | |
| 6. Presentation and working drawings of design project. | | (20%) |

METHOD OF INSTRUCTION

2 to 3 Case Studies can be done online/ Book, in addition to Live Case Studies.
Online Lectures for some topics from NPTEL, Coursera can be organized.

COURSE OUTCOME:

The students will develop understanding of workspaces.
Evaluate the parameters of interiors in specific settings and iterate customized solutions.

Recommended Readings:

- Interior design by D.K. Ching
- Time savers standards of interior design
- Neuferts standards.
- The Office Interior Design Guide: An Introduction for Facility and Design Professionals by Julie K. Rayfield (Author)
- Atlas of Office Interiors by Alex Sanchez Vidiella
- Detail in Contemporary Office Design by By Drew Plunkett (Author), Olga Reid (Author)
- The Office Interior Design Guide: An Introduction for Facility and Design Professionals, Julie K. Rayfield, Wiley, 1994

| MATERIAL & CONSTRUCTION TECHNIQUES 2 | | |
|--|---------------------------|------------|
| COURSE CODE | 2202626 (SV) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 1 Lectures + 4 Studio TOTAL = 5 hrs/week | CIE | 50 |
| | SV | 50 |
| | Paper | Nil |
| TOTAL MARKS | 100 | |
| TOTAL CREDITS | 3 | |

COURSE OBJECTIVE:

This course will help students understand construction systems, materials used and the techniques required for effective interior design and execution.

COURSE CONTENT:

UNIT 1: Metals : Ferrous & non Ferrous construction materials, Cast Fe, Wrought Fe, Steel, MS, Aluminum, Brass, Cu, Bronze, etc. ,their properties and uses, metal alloys.

UNIT 2 : Types of Glasses, properties, manufacturing processes, its structural and decorative forms.

UNIT 3: Finishing materials like Laminates, veneers, wallpapers etc
Plasters: Stucco, Lime Texture etc.

UNIT 4 : Hardware : Types, uses material and finishes

UNIT 5 : Staircases and railings : Different types of staircases, construction details in RCC, Wood, MS and their combinations.

UNIT 6: Furniture systems with materials learnt: min 3 types of furniture like Bed, Sofa etc. with different material combinations and description of upholstery materials.

SUBMISSION REQUIREMENT

Unit 1, 2 3 and 4: Journal writing, Market survey

Unit 5, and 6: Sheet work with details.

METHOD OF INSTRUCTION

Regular Site visits, with focus on construction methods and material application shall be organized.

Vendor interactions to give exposure to Brands, materials and development in technologies shall be arranged.

Online Lectures for some topics from NPTEL, Coursera can be organized.

COURSE OUTCOME

This course helps the students to understand materials, their properties, processes and the construction techniques required to execute the designs with specific materials.

Recommended Readings:

- Wood: Materials for inspirational design by Chris Lefteri.
- Interior Design Materials & Specification by Godsey Lisa
- Materials: Innovation & Design, Dimitris Kottas, Diana Bennett.
- Materials: Manual & new possibilities by Edward Broto
- Engineering materials by K.P.Roy and Chaudhari.
- Materials of construction by D.N.Ghose.
- Architectural metals by I.William Zabner.
- Building construction by W.B.Mckay- Vol 1 to 4.
- Building construction by Chudley.
- Building materials by Sushil kumar.
- Woodworkers guide to furniture design.

| ELEMENTS OF SPACE DESIGN 2 | | |
|--|---------------------------|------------|
| COURSE CODE | 2202627 (SV) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 1 Lectures + 4 Studio TOTAL = 5 hrs/week | CIE | 75 |
| | SV | 75 |
| | Paper | Nil |
| TOTAL MARKS | 150 | |
| TOTAL CREDITS | 3 | |

COURSE OBJECTIVE:

The subject aims at developing observational and creative skills that would enhance the visual perception of students and evolve aesthetic sensitivity.

The course focuses towards developing colour sensibility which is an integral element of Interior Design.

COURSE CONTENT:

UNIT 1: Colour Theory, Colour Psychology, Colour and cultural connotations.

UNIT 2: Colour schemes

UNIT 3: Colour interaction: Experimentations with colour, texture and space.

Colour in Interiors : Exploring spatial expression of color in spaces, to understand the visual impact of colour with material, texture and finishes..

UNIT 4: Colour Abstraction , colour percentage

UNIT 5: Colour in historic Interiors, examples from Design movements, like Graphic Arts, Pop arts etc. 20th century Art movements and its emphasis on Colours.

SUBMISSION REQUIREMENT

Multiple explorations, 2D and 3D corresponding to Units in the form of Sheets, sketches & models.

METHOD OF INSTRUCTION

Hands on explorations, computer aided mediums, visual presentations etc. shall be incorporated.

Market survey / vendor interaction suggested for colour understanding.

Online Lectures for some topics from NPTEL, Coursera can be organized.

COURSE OUTCOME

The course will develop understanding towards creative thinking. It will sensitize them towards perception, appreciation and articulation of space and its elements.

Recommended Readings:

- Elements of Design, Hannah, Gail Greet; Princeton Architectural Press, 2002
- Elements of Design and the Structure of Visual Relationships, H. G. Greet and R. R. Kostellow, Architectural Press, NY, 2002
- Principles of color design : designing with electronic color by Wucius Wong.
- Color by Paul Zelanski and Mary Pat Fisher.
- Color in graphics by Labudovic, Ana
- Advances in color harmony and contrast for the home decorator by Michael Wilcox.
- The Art of Color: The Subjective Experience and Objective Rationale of Color, Itten, Johannes; Wiley Publications, 1997

| INTERIOR SERVICES 1 | | |
|--|---------------------------|---------------------|
| COURSE CODE | 2202628 (P) | 2202629 (SS) |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 2 Studio TOTAL = 4 hrs/week | Paper | |
| | In Sem | 30 |
| | End Sem | 70 |
| | Total | 100 |
| | SS | |
| | CIE | 50 |
| | SS | 50 |
| | Total | 100 |
| TOTAL MARKS | 200 | |
| TOTAL CREDITS | 3 | |

COURSE OBJECTIVE:

This course aims towards acquainting the students with necessary building services required for Interior projects.

COURSE CONTENT :

- a) Plumbing systems which involve water supply, sanitation and drainage systems in buildings.
- b) Electrification and Lighting
- c) Fire hazards and Fire safety equipments.

UNIT 1 : Plumbing systems

1. Introduction to Water Supply, Sanitation and drainage systems from source to terminal point in brief.
2. Basic components of system like Pipes, Traps, Sanitary fittings etc. Basic structural requirement for system installation.
3. Design principles and anthropometry for planning of services in residential areas like Toilets, Kitchen and Utility areas.
4. Design principles and anthropometry for planning of services in non-residential areas like Public Toilets etc.
5. Details of specialized systems like bathtubs, Jacuzzi, Washing Machines, Dishwashers, Water dispensers, High pressure shower systems, steam rom etc.
6. Waterproofing, laying of pipes, choosing correct sanitary fittings as per site conditions.

UNIT 2 : Electrification & Lighting

1. Introduction to sources of Natural light within spaces, and methods through which natural light can be brought inside spaces.
2. Role of Artificial lighting in interior design. Techniques of illumination through artificial lighting.
3. Understanding terminologies like Lux, Lumen, Foot-candles, illumination and illumination requirement for various spaces.
4. Principles for planning lighting layout for interiors. Various symbols and methods used to communicate lighting layout in the form of drawings.
5. Materials used for conduits, switches wires etc.

UNIT 3 : Fire services

1. Introduction to types of fire and Fire hazards
2. Active and passive ways of fighting fire more in relevance of interiors and interior spaces.
Fire extinguishers, water sprinklers' used in ceilings, fire alarms etc.
3. Fire resistant materials and its application in interiors.

SUBMISSION REQUIREMENT

UNIT 1 : Journal writing with sketches on all the topics covered
Sheet work on Plumbing layout.

Market survey report on Sanitary fittings and components.

UNIT 2 : Journal writing with sketches on all the topics covered.
Sheet work on Electrification layout.

Note: Residential design of Semester 3 can be taken for Electrical and Plumbing Layout.

UNIT3: Journal writing with sketches on all the topics covered.

METHOD OF INSTRUCTION

Site visits, Vendor interactions to give exposure to Brands, materials and development in technologies shall be arranged.

Online Lectures for some topics from NPTEL, Coursera can be organized.

COURSE OUTCOME :

They will understand basic concepts and principles of building services.

They will be able to read and create drawings for proper execution of Services on site.

Recommended Readings:

- Sanitary Engg. Vol I & II by R.S. Deshpande
- Water Supply and Sanitary Engg, by S. Birdi, Dhanpat Rai & Sons
- Interior design, by Mohammed kasu.
- The lighting of buildings ,by:R.G.Hapkinsen.
- Lighting in Architecture design , by:Derek Philips.
- B.B.C. – 83 PART VIII. Section I . lighting and ventilation.

| HISTORY OF INTERIOR DESIGN 2 (P) | | |
|--|---------------------------|----------------|
| COURSE CODE | 2202630 (P) | 2202631 |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 2 Lectures + 2 Studio TOTAL = 4 hrs/week | In Sem | 30 |
| | End Sem | 70 |
| TOTAL MARKS | 100 | |
| TOTAL CREDITS | 3 | |

COURSE OBJECTIVE:

To introduce the concept of modernism and its impact on the realm of design.

COURSE CONTENT:

UNIT 1: Evolution of Spatial design features in the West from early medieval till Victorian period: Romanesque, Gothic, Renaissance, Baroque, Roccoco, Neo Classical, and Victorian style. Their characteristic features, major examples, interior and furniture design elements, materials and motifs.

UNIT 2: Industrialization: social and political Changes, events leading to industrial revolution, its impact on society and lifestyles, innovations and new products.

UNIT 3: Early design movements as a response to Industrialisation: Art & Craft, Art Nouveau, Art Deco: Style expression, Designers, major examples, materials and motifs.

UNIT 4: Modern architecture and art : expressionism , futurism, constructivism, cubism, Bauhaus, works of Gropius , Meyer and Mies van der Rohe, Frank Lyod Wright, Loius Kahn, etc., growth of international style.

Post-modernist and Contemporary design: characteristics, materials, contributors and major examples.

UNIT 5: Other influential design movements, like Organic design, Minimalism, Pop art, etc.

SUBMISSION REQUIREMENT

Journal writing on all the Units with sketches pertaining to topics taken.

COURSE OUTCOME:

The course will encourage the understanding of development of Design across the globe.

Recommended Readings:

- History of world architecture, Llyod S & Muller H.W., Publications ; Faber & Faber Ltd.
- A concise history of Architectural Styles, Emily Cole
- History of Interior Design by John Pile (Author), Judith Gura (Author)
- A chronology of Western Architecture by Doreen Yarwood, Dover publications.
- History of Modern Design, David Raizman; Prentice Hall, 2004
- <http://designhistorytimeline.com/>
- Journal of Design History, Oxford Journals
- Beginnings of Interior Environments by Lynn M. Jones, Heidi Plumb

| INTERIOR DRAWINGS & GRAPHICS 2 | | |
|---|---------------------------|-----------|
| COURSE CODE | 2202632 (SS) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 1 Lectures + 2 Studio TOTAL = 3 hrs/week | CIE | 50 |
| | SS | 50 |
| TOTAL MARKS | 100 | |
| TOTAL CREDITS | 2 | |

COURSE OBJECTIVE:

To acquaint students with the technique of making perspective drawings, and advanced rendering techniques.

COURSE CONTENT:

1. Computer Aided drawings on Interiors.
2. Computer Aided drawings on Furniture details.
3. Perspective & Sciography : To introduce students to Interior perspective drawings – one point perspective, two point perspective etc. Sciography of simple 3-D objects.
4. Introduction to advance rendering mediums and techniques used for making presentable sketches and perspective views.
5. Digital rendering mediums for 2D and 3D drawings.

SUBMISSION REQUIREMENT

1. Exercise on CAD drafting : Furniture Layout Plans, Sectional Elevations and details with material specification & finishes.
2. Exercise on CAD drafting: Minimum 2 types of Furniture details like Partition, Wardrobe, Multifunctional units etc. with material specification & finishes.
3. Drafting of one point, two point perspectives of interior spaces with furniture.
4. Exercise on exploring different rendering tools, like dry pastels, soft pastels, Alcohol markers, rendering with inks etc. Application of these mediums in perspective drawings.
5. Exercise on digital presentation of drawings in appropriate software.

COURSE OUTCOME

This course will equip students with the skills of drafting, and communicating through drawings in a legible and effective manner using manual and digital mediums.

Recommended Readings:

- Interior Design Visual Presentation Guide to Graphics, models & presentation methods, Wiley publications
- Hand drafting for Interior Design by Diana Bennett, Wirtz Kingsley
- Drawing for Interior Design by Drew Plunkett - Laurence King publishing
- Rendering with pen and ink by Robert W Gill
- The architectural drawing course by Thames and Hudrey.
- Geometrical drawings for arts students by I.H.Morris and William Jesse.
- Presenting architectural designs by Koos Eissen.
- The complete guide to illustration & design, Dalley Terence ed.; Phaidon, Oxford, 1980

| ELECTIVE 2 | | |
|---|--------------------|----------|
| COURSE CODE | 2202633 (SS) | |
| TEACHING SCHEME | EXAMINATION SCHEME | |
| TOTAL CONTACT HOURS PER WEEK 1 Lectures + 2 Studio TOTAL = 3 hrs/week | CIE SS | 25 25 |
| TOTAL MARKS | 50 | |
| TOTAL CREDITS | 2 | |

COURSE OBJECTIVE: To allow the students to study a subject of their interest and develop theoretical as well as practical understanding of the same.

COURSE OUTLINE:

- Colleges have to develop course outline for the elective they wish to offer such that the theoretical as well practical aspects are covered linking them to the Design field.
- Apart from lectures delivered by the subject resource persons, self-study in form of hands on workshop / field work/ review of literature / seminar or any suitable format of learning may be adopted.
- A list of Electives is suggested in **Annexure A- in Programme Structure**. The Institutes can refer it or **offer any other relevant course/ courses aligned to Institute's philosophy under Elective**.

A student may adhere to a particular stream of elective of his/her choice and nurture his/her area of interest and develop his/her expertise.

However, the student shall not select the same elective category in the immediately following semester.

| VOCATIONAL EDUCATION | |
|----------------------|---------|
| COURSE CODE | 2202634 |
| TOTAL CREDITS | 2 |

COURSE OBJECTIVE:

To provide students with hands-on practical exposure and industry-relevant skills in various vocational domains, enabling them to enhance employability and creative capabilities.

COURSE CONTENT:

Students must complete a minimum of 70 to 90 hours of practical training in any one or a combination of the vocational areas mentioned in **Annexure B-in Programme Structure**, List of Vocational Courses.

It shall be noted that the list is suggestive and is not limited to the courses mentioned.

SUBMISSION REQUIREMENT:

1. Vocational Course Report (Journal/ Log book):
 - a) Description of training/work undertaken
 - b) Daily/weekly activity log
 - c) Learning outcomes and reflections
2. Proof of completion (Certificate) from the concerned workshop/industry
3. Visual documentation of work (photos, sketches, process sheets)

Note: The student shall be assessed and evaluated on the basis of Grades.

COURSE OUTCOME:

Students will acquire basic technical and manual skills in selected vocational areas while developing an understanding of real-world working environments and industry practices.

The course will also foster creativity and execution skills, along with providing hands-on exposure to tools, materials, and processes.