**Interior Drawing & Representation-I**

**Course Code**:

**Level:** 2

**Credits:** 4

**Pre-Requisite**: Drawing & Representation Techniques-II

**Duration** Contact Hours:

i. Theory: Nil

ii. Practical: 135 (6 Cr x 1.5 x15)

iii. Self-Study/Project/Industry: Nil

**Aim**

The course focuses on developing the skills and techniques necessary for creating accurate and visually appealing interior drawings. Through a combination of theory, practical exercises, and hands-on projects, students will learn to communicate their design ideas effectively using various drawing methods and tools. The course will cover topics such as perspective drawing, rendering materials and textures, creating lighting effects, and producing detailed interior plans and elevations.

**Expected Learning Outcomes**

At the end of the course, the student is expected to be able to:

1. Demonstrate proficiency in fundamental drawing techniques used in interior design.
2. Understand and apply the principles of perspective drawing to create accurate and convincing interior renderings.
3. Create visually appealing interior drawings using various rendering techniques and materials.
4. Produce detailed interior plans, elevations, and sections that effectively communicate design intent.
5. Utilize digital tools and software to enhance interior drawing and representation.

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**Learning and Teaching Strategy**

The course is delivered via face-to-face mode; Classes will consist of studio work, tutorials,

Critiques, presentations, exercises, project reviews, individual and team works.

**Course Content**

**Unit I: 2d Drawings of Interior Spaces- Interior Plans, Elevations & Sections**

Developing detailed Interior floor plans, elevations and sections with industry specific standards and annotations on CAD or similar software

**Unit II: Perspective Projections of Spaces**

Principles of perspective drawing and their applications in interior design.

One-point, two-point, and three-point perspective drawing techniques.

Exercises on creating interior spaces with accurate proportions and spatial depth using hand tools and digital software.

**Unit III: Rendering Techniques**

Introduction to rendering materials and textures commonly found in interior design.

Techniques for shading, highlighting, and blending to create realistic surfaces.

Hands-on exercises to develop rendering skills for different interior elements.

**Unit IV: Advanced 3d Modeling for Interior Spaces**

Using Sketch Up or similar software with material applications in interior spaces.

Setting of different camera positions suited for human eye level and better viewing of interior spaces.

Cutting of Sectional Perspectives in 3d Models for interior visualization.

**Suggested Assessment Scheme**

Assessment 1: Perspective Projections-Hand & CAD 20%

Assessment 2: Rendered Plan, Elevations and Sections 40%

Assessment 3: Advanced 3D Modeling of Interior Elements and Space 40%

**References**

Required Texts

1. Ching, F. D. K. (2013). Interior Design Illustrated (3rd ed.). John Wiley & Sons.
2. Kilmer, A. J., & Kilmer, M. C. (2014). Interior Design: Space Planning and Design (2nd ed.). Fairchild Books.
3. Hendrix, J. D. (2017). Architectural Graphics (6th ed.). John Wiley & Sons.
4. Mozer, M., & Zabielski, J. (2015). Interior Design Visual Presentation: A Guide to Graphics, Models, and Presentation Techniques (4th ed.). John Wiley & Sons.
5. Ward, C. (2013). Perspective for Interior Designers (2nd ed.). Fairchild Books.
6. Drpic, I., & Whitfield, D. (2018). Rendering in Pen and Ink: The Classic Book on Pen and Ink Techniques for Artists, Illustrators, Architects, and Designers. Dover Publications.
7. Ahmed, N. (2016). Drawing for Interior Design (2nd ed.). Laurence King Publishing.
8. Watson, K. (2019). Sketching for Architecture + Interior Design: A Practical Guide. Laurence King Publishing.
9. Agrest, D., & Conway, P. (2019). Drawing Architecture. Thames & Hudson.
10. Laseau, P. (2011). Graphic Thinking for Architects and Designers (3rd ed.). Wiley.

**Interior Materials & Services-I**

**Course Code**:

**Level:** 2

**Credits:** 4

**Pre-Requisite**: Materials Study & Survey

**Duration** Contact Hours:

i. Theory: Nil

ii. Practical: 90 (4 Cr x 1.5 x15)

iii. Self-Study/Project/Industry: Nil

**Aim**

The objective of this module is to focus on the technical aspects of interior design projects. The module provides an in-depth understanding of the various systems and services required for functional and sustainable interior spaces. Students will learn the basics of plumbing, electrical and lighting. Emphasis will be placed on integrating these services seamlessly within design concepts while considering user comfort, safety, and regulatory requirements. Students will learn to evaluate and select appropriate materials based on functional, aesthetic, and sustainable considerations.

**Expected Learning Outcomes**

At the end of the course, the student is expected to be able to:

1. Analyze material trends and evaluate the suitability of textiles and soft furnishing for specific interior design applications.
2. Demonstrate the ability to integrate interior services seamlessly with design concepts.
3. Understand the principles and components of electrical systems in interior spaces.
4. Analyze and evaluate lighting requirements and design appropriate lighting solutions.
5. Understand the principles of plumbing systems and their integration with interior design.

**Learning and Teaching Strategy**

The course is delivered via face-to-face mode, supplemented by assigned readings before and after classes as well as market surveys.

**Course Content**

**Unit I: Material Trends and Future Innovations**

* Exploration of current material trends in interior design
* Predicting future material advancements and their implications
* Impact of technological advancements on interior material services

**Unit II: Textiles and Soft Furnishings**

* Understanding fabric properties and characteristics
* Upholstery, drapery, and other soft furnishings
* Sustainable and eco-friendly textiles

**Unit III: Lighting & Electrical**

* Lighting fixtures, bulbs, and controls
* Electrical outlets, switches, and wiring considerations
* Integration of lighting and electrical systems with interior materials
* Basic Electrical Looping Diagrams

**Unit IV: Plumbing Systems**

* Plumbing fixtures and components in interior spaces
* Water supply, drainage, and waste disposal systems

**Suggested Assessment Scheme**

Assessment 1: Soft Furnishing & Textiles: Material board & report 25%

Assessment 2: Plumbing layout with fixtures 25%

Assessment 3: Looping Diagram and Reflected Ceiling Plan 30%

Assessment 4: Sustainable Material presentation/report 20%

**References**

**Required Texts**

1. Binggeli, C. (2014). Materials for Interior Environments. John Wiley & Sons.
2. Godsey, L. (2016). Interior Design Materials and Specifications. Watson-Guptill.
3. Ballast, D. K. (2016). Interior Materials and Surfaces: The Complete Guide. John Wiley & Sons.
4. Farrelly, L. (2012). Materials and Interior Design. Laurence King Publishing.
5. Lathrop, L. C., & Smith, T. P. (2019). Interior Design Materials and Elements. Bloomsbury Visual Arts.
6. Lefteri, C. (2014). Materials for Design. Laurence King Publishing.
7. Brown, R. (2012). Materials and Interior Design. Laurence King Publishing.
8. Jones, L. (2017). Sustainable Interior Design: Principles, Practices, and Strategies for Green Building. Fairchild Books.
9. Ching, F. D. K., & Binggeli, C. (2018). Interior Design Illustrated. John Wiley & Sons.
10. Beorkrem, C. (2013). Material Strategies in Digital Fabrication. Princeton Architectural Press.

**Websites**

1. Interior Design Magazine ([www.interiordesign.net](http://www.interiordesign.net/))
2. Architectural Digest ([www.architecturaldigest.com](http://www.architecturaldigest.com/))
3. Dezeen ([www.dezeen.com](http://www.dezeen.com/))
4. Design Milk ([www.design-milk.com](http://www.design-milk.com/))
5. Material Bank ([www.materialbank.com](http://www.materialbank.com/))

**Design History**

**Course Code**:

**Level:** 2

**Credits:** 4

**Pre-Requisite**: NA

**Duration** Contact Hours:

i. Theory: 60 (4 Cr x 1.0 x15)

ii. Practical: Nil

iii. Self-Study/Project/Industry: Nil

**Aim**

The aim of this course is to provide students with a comprehensive understanding of the historical evolution of interior design across different cultures and periods. By studying the global history of interior design, students will gain insights into how cultural, social, and technological influences have shaped interior spaces throughout the ages. The course aims to foster an appreciation for the rich and diverse heritage of interior design and its significance in shaping contemporary design practices.

**Expected Learning Outcomes**

At the end of the course, the student is expected to be able to:

1. Analyze and evaluate the major historical styles and movements in interior design across different regions of the world.
2. Understand the social, cultural, and technological factors that influenced interior design throughout various historical periods.
3. Recognize the contributions of prominent designers, architects, and craftsmen to the evolution of interior design on a global scale.
4. Apply historical design concepts and principles to contemporary interior design projects with sensitivity to cultural context.
5. Demonstrate critical thinking skills by examining the relationship between interior design and broader historical contexts worldwide.

**Learning and Teaching Strategy**

The course will be delivered through a combination of lectures, interactive discussions, multimedia presentations, and visual aids, including images and videos of historical interiors. Students will engage in independent research and group projects to explore specific historical periods and styles from different regions. Guest lectures by experts in global design history will enrich the learning experience, providing diverse perspectives on the subject matter.

**Course Content**

**UNIT I: Ancient Civilizations and Indigenous Interiors**

* + Interiors of ancient civilizations like Egypt, Mesopotamia, China, and the Indus Valley.
  + Indigenous interior design practices and their cultural significance.

**UNIT II: Classical Periods, Medieval & Renaissance Eras**

* + Greek and Roman interior design and architectural styles.
  + Gothic architecture and interior design in Europe.
  + Renaissance art and its influence on interior spaces.

**UNIT III: Non-Western Interior Design Traditions**

* + Interiors of Islamic, Indian, East Asian, and African cultures.
  + Traditional design philosophies and their contemporary relevance.

**UNIT IV: Baroque, Rococo, and Neoclassical Styles**

* + Opulence and grandeur in European interior design.
  + Revival of classical elements and neoclassical interiors.

**UNIT V: Modernism and Global Design Movements**

* + International Style and Bauhaus influence interior design.
  + Regional modernist movements and their unique expressions.

**Suggested Assessment Scheme**

Assessment 1: Group Presentation + Poster: Specific Periods 50%

Assessment 2: Individual Report: Live Case Study of local Historical structure 50%

**References**

**Required Texts**

**T*extbooks:***

1. Pile, J. F. (2003). A History of Interior Design. Laurence King Publishing.
2. Harwood, B., & May, A. (2013). Interior Design and Identity. Manchester University Press.
3. Fletcher, Sir Banister, and Dan Cruickshank. *Sir Banister Fletcher's A History of Architecture.* 21st ed., Bloomsbury Visual Arts, 2019.

**Journals:**

1. Journal of Interior Design History. (Cambridge University Press)
2. Journal of Global Interior Design. (Taylor & Francis)

**Websites:**

1. The Metropolitan Museum of Art. ([www.metmuseum.org](http://www.metmuseum.org/))
2. Victoria and Albert Museum. ([www.vam.ac.uk](http://www.vam.ac.uk/))
3. The Getty Research Institute. ([www.getty.edu/research](http://www.getty.edu/research))
4. International Federation of Interior Architects/Designers (IFI). ([www.ifiworld.org](http://www.ifiworld.org/))

**Design Studio I**

**Course Code**:

**Level:** 2

**Credits:** 6

**Pre-Requisite**: Design Project

**Duration** Contact Hours:

i. Theory: Nil

ii. Practical: Nil

iii. Self-Study/Project/Industry: 180 (6 Cr x 2.0 x15)

**Aim**

The aim of this course is to develop the students' proficiency in designing functional, aesthetically pleasing, and innovative residential interior spaces. Through practical exercises and design projects, the course will focus on understanding the needs and preferences of clients, space planning, material selection, and creating cohesive residential interior solutions.

**Expected Learning Outcomes**

At the end of the course, the student is expected to be able to:

1. Demonstrate a comprehensive understanding of the principles of residential interior design.
2. Apply design concepts to create practical and visually appealing residential spaces.
3. Analyze and incorporate clients' needs and preferences into their design solutions.
4. Utilize space planning techniques to optimize the functionality of residential interiors.
5. Select appropriate materials and finishes to enhance the overall design aesthetics.
6. Present design concepts effectively through visual and verbal communication.

**Learning and Teaching Strategy**

The course will combine theoretical learning with hands-on design projects. Students will attend lectures, workshops, and design studio sessions. The design studio sessions will encourage collaborative learning, peer critique, and individual consultations with the instructor to facilitate the design process. Site visits to residential spaces and guest lectures by practicing interior designers will provide real-world insights.

**Course Content**

**UNIT I: Introduction to Residential Interior Design & Design Brief**

* Overview of residential interior design principles and trends.
* Understanding the design brief and area program for a single-family residence.
* Analyzing client needs and lifestyle to determine functional requirements.
* Conducting Case studies- Literature and Live Case studies

**UNIT II: Concept & Mood: Color, Lighting & Style**

* Exploring the impact of color psychology on residential spaces.
* Designing basic lighting schemes and generating conceptual ideas for different residential areas.
* Exploring the style as per client requirements and project relevance.

**UNIT III: Materials and Finishes**

* Selecting suitable materials and finishes based on durability and aesthetics. Prepare a physical/digital material board.
* Integrating sustainable and eco-friendly design practices.

**UNIT IV: Space Planning and Functional Layouts**

* Understanding the relationship between furniture layout and spatial flow- Bubble & Zoning Diagrams.
* Selecting appropriate furniture, fixtures, and fittings for different rooms.
* Developing space-efficient floor plans for various residential areas.
* Creating compelling design presentations using 2D and 3D visualization tools.

**Suggested Assessment Scheme**

Assessment 1: Case Studies 20%

Assessment 2: Interior Concept, Mood, Color & Lighting 25%

Assessment 3: Materials & Finishes 15%

Assessment 3: Space Planning, Furniture Layout, Sectional Elevations & 3D 40%

**References**

**Required Texts**

**T*extbooks:***

1. Ching, F. D. K., & Binggeli, C. (2018). Interior Design Illustrated. John Wiley & Sons.
2. Ching, Francis D. K. (2014). *Architecture: Form, Space, and Order*. John Wiley & Sons.
3. Ball, V. (2018). The Interior Design Reference & Specification Book: Everything Interior Designers Need to Know Every Day. Rockport Publishers.

**Journals:**

1. Journal of Interior Design. (Wiley-Blackwell)

**Websites:**

1. American Society of Interior Designers (ASID). ([www.asid.org](http://www.asid.org/))
2. Interior Design Magazine. ([www.interiordesign.net](http://www.interiordesign.net/))
3. Dezeen. ([www.dezeen.com](http://www.dezeen.com/))
4. ArchDaily. ([www.archdaily.com](http://www.archdaily.com/))