

**1. Scheme of Programme – M. Design in Interior Design**  
**(Scheme PG A1: Postgraduate Programmes (Course work only))**

**Semester 1**

Course Code	Course Title	Course ID	L T P			L T P			Total Credits	MARKS				
			(Hrs.)			Credits				TI	TE	PI	PE	Total
<b>Core Course(s)</b>														
CC-A01	Interior Design Studio (Basic): Primary Projects	241/DESID/CC101	3	0	2	3	0	1	4	25	50	5	20	100
CC-A02	Spatial Analysis: Basic Principles of Design & representation	241/DESID/CC102	3	0	2	3	0	1	4	25	50	5	20	100
CC-A03	Building Services: Light & Water	241/DESID/CC103	3	0	2	3	0	1	4	25	50	5	20	100
<b>Discipline Specific Elective Courses</b>														
DSE-01	One from Pool	241/DESID/DS101	2	1	0	2	1	0	3	25	50	-	-	75
<b>Multidisciplinary Course(s)</b>														
MDC-01	One from Pool	241/DESID/MD101							3					75
<b>Ability Enhancement Course(s)</b>														
AEC-01	One from Pool	241/DESID/AE101							2					50
<b>Value-added Course(s)</b>														
VAC-01	One from Pool	241/DESID/VA101							2					50
<b>Total Credits</b>									<b>22</b>					

**Semester 2**

Course Code	Course Title	Course ID	L T P			L T P			Total Credits	MARKS				
			(Hrs.)			Credits				TI	TE	PI	PE	Total
<b>Core Course(s)</b>														
CC-A04	Interior Design Studio (Advance): introduction of Adaptive Reuse	241/DESID/CC201	3	0	2	3	0	1	4	25	50	5	20	100

CC-A05	Interior Design Materials & Installation	241/DES ID/CC20 2	3	0	2	3	0	1	4	25	50	5	20	100
CC-A06	Spatial Analysis: Advanced Principles of Design & Digital representation	241/DES ID/CC20 3	3	0	2	3	0	1	4	25	50	5	20	100
<b>Discipline Specific Elective Courses</b>														
DSE-02	One from Pool	241/DES ID/DS20 1	2	1	0	2	1	0	3	25	50	-	-	75
<b>Multidisciplinary Course(s)</b>														
MDC-02	One from Pool	241/DES ID/MD20 1							3					75
<b>Ability Enhancement Course(s)</b>														
AEC-02	One from Pool	241/DES ID/AE20 1							2					50
<b>Skill Enhancement Course(s)</b>														
SEC-01	One from Pool	241/DES ID/SE20 1							2					50
<b>Total Credits</b>									<b>22</b>					

### Semester 3

Course Code	Course Title	Course ID	L T P			L T P			Total Credits	MARKS				
			(Hrs.)			Credits				TI	TE	PI	PE	Total
<b>Core Course(s)</b>														
CC-A07	Interior Design Studio: Universal Design	241/DES ID/CC30 1	3	0	2	3	0	1	4	25	50	5	20	100
CC-A08	Interior Design Dissertation	241/DES ID/CC30 2	3	0	2	3	0	1	4	25	50	5	20	100
CC-A09	Summer Internship (4 week)	241/DES ID/CC30 3	3	0	2	3	0	1	4	25	50	5	20	100

<b>Discipline Specific Elective Courses</b>														
DSE-03	One from Pool	241/DES ID/DS30 1	2	1	0	2	1	0	3	25	50	-	-	75
<b>Multidisciplinary Course(s)</b>														
MDC-03	One from Pool	241/DES ID/MD30 1							3					75
<b>Skill Enhancement Course(s)</b>														
SEC-02	One from Pool	241/DES ID/SE30 1	2	0	0	2	0	0	2	15	35	-	-	50
<b>Value-added Course(s)</b>														
VAC-02	One from Pool	241/DES ID/VA30 1							2					50
<b>Seminar</b>														
Seminar	Thesis Seminar	241/DES ID/SM30 1							2					50
<b>Internship/Field Activity#</b>														
									4					
<b>Total Credits</b>									<b>28</b>					

#Four credits of internship earned by a student during summer internship after 2nd semester will be counted in 3<sup>rd</sup> semester of a student who pursue 2-year PG Programme without taking exit option.

## Semester 4

Course Code	Course Title	Course ID	L T P (Hrs.)			L T P Credits			Total Credits	MARKS				
			TI	TE	PI	PE	Total							
<b>Core Course(s)</b>														
CC-A10	Interior Design Studio: Thesis	241/DES ID/CC401	3	1	2	3	1	1	5	25	50	5	20	100
CC-A11	Building Services: Air & Fire	241/DES ID/CC402	2	0	2	2	0	1	3	25	50	5	20	100
<b>Discipline Specific Elective Courses</b>														
DSE-04	One from Pool	241/DES ID/DS401							3					
<b>Multidisciplinary Course(s)</b>														
MDC-04	One from Pool	241/DES ID/MD401							3					
<b>Ability Enhancement Course(s)</b>														
AEC-03	One from Pool	241/DES ID/AE401							2					
<b>Community Engagement/Field Work/Survey/Seminar</b>														
Seminar	One from Pool	241/DES ID/SM401							6					
<b>Total Credits</b>									<b>22</b>					

*Semester - I*

Course code	CC-A01				
Category	Core Course				
Course title	Interior Design Studio (Basic): Primary Projects				
Course ID	241/DESID/CC101				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course comprises of the basics in Interior Design providing a broad understanding from concept to end user and aims at providing fundamental knowledge of the Interior Design industry. It looks at applying Elements and Principles of Design to spaces through iterative experiments with spatiality, all the while applying knowledge of principles and elements of design from case study examples. It also traces the importance of basics and standards as a background to understand changes in the industry today. It helps students develop skills pertaining to Design including processes, inspirations, creating briefs, understanding requirements, experience of spaces, oral and visual representation, etc.

### UNIT-1

- Explorations using elements of design- point, line, plane, volume.
- Introduction to Basic Elements of Design.
- Explore the elements of design as applied to interiors.
- Understanding of basic design principles.

### UNIT-2

- Understanding & organization of Form & Space.
- Developing and exploring the visual and functional components.
- Understanding of human factors that impact design for interiors.
- Surface Development: Development of Surfaces and Solids.

### UNIT-3

- Materials: Pattern Tones and Textures
- Conversion of units & concept of scale.
- Colors & Color Planning for Interiors: Perception of color and light.

- Exploring Color Schemes based on principles of Harmony and Contrast and degree of Chromatism. Application of color on compositions

#### UNIT-4

- Representation of Ideas: plan, elevation, isometric and axonometric view; Perspective view, one point and two points; digital and analogue methods of representation; diagramming and mind mapping.
- Correlation to studio for Anthropometrics and Ergonomics

#### COURSE OUTCOMES:

<b>CO1</b>	Demonstrate in-depth knowledge of spatiality and experience, physical and intangible, experiential interior spaces including deeper insight into current research and development work surrounding the theory and practice of Interior Design.
<b>CO2</b>	Demonstrate the understanding of critical elements of design and design principles, all theoretical and practical aspects of design: spatial, color, and psychological.
<b>CO3</b>	Ability to use appropriate communication (visual and oral) to convey formal outcomes at different stages of the design process: 2D (sketching, diagramming, drawing), 3D (physical or digital models, diagramming) or 4D (video, stop action, kinetic models, AR/VR), commensurate to design ideas and project phase.
<b>CO4</b>	Identify the position self and surroundings in the process of creation of space to experiment with the consciousness of the human need, perception, meaning and spatial narrative, effectively creating spaces that connect with its users.

#### Suggested Text Books:

1. Ching, F. (2018). *Interior Design Illustrated*. Wiley.
2. Elam, K. (2011). *Geometry of Design: Studies in proportion and Composition*. Princeton Architectural Press.

#### Suggested Reference Books

1. The Interior Design Handbook: Furnish, Decorate, and Style Your Space - Frida Ramstedt
2. Interior Design Illustrated - Francis D.K. Ching
3. The Interior Design Reference & Specification Book updated & revised - Chris Grimley
4. A History of Interior Design - John F. Pile
5. Time-Saver Standards for Interior Design and Space Planning - Julius Panero
6. Color in Interior Design - John F. Pile
7. Human Dimension & Interior Space: A Source Book of Design Reference Standards - Julius Panero
8. Interior Design Course: Principles, Practices, And Techniques for the Aspiring Designer - Tomris Tangaz
9. The Fundamentals of Interior Design - Simon Dodsworth

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A02				
Category	Core Course				
Course title	Spatial Analysis: Basic Principles of Design & representation				
Course ID	241/DESID/CC102				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The design studio thread is an intensive introduction to interior design theory, interior design process and its application. The complex relationships between space, people, furniture, structure and use are explored from the perspective of static and functional anthropometry under the Design Studio II module. Anthropometry is a key element of ergonomic studies for addressing the problem of curtailing space design/products to user characteristics (physical, cultural), and any gap between anthropometric data and its application for designing ergonomic products and environments can lead to its failure. Besides the physical dimension and understanding of space planning, furniture design and functional allocation of areas, the course must also explore ideas of inclusive design, social change by design, gender sensitivity in design, or other issue-based design concepts that stem from knowledge of anthropometry and ergonomics in design.

### UNIT-1

- Concept of Static and Functional Ergonomics.
- Understanding the existing norms, customization and factors for consideration during design.
- Space planning and furniture layouts with ascertaining issues of design.
- Evaluation of components in design.
- Developing and exploring the aesthetic and functional components.
- Understanding the tools and techniques for design of efficient, functional and appealing spaces.

### UNIT-2

- Concept and definition of ergonomics, for interior designers.
- Understanding the risk factors related to the user (inherent physical state), the task and environment.
- Managing risk factors and innovation.

### UNIT-3

- Reach and limitations of human.
- Visual field and Visual Obstruction.
- Human body, movement and experience.

**COURSE OUTCOMES:**

<b>CO1</b>	Develop designs based on knowledge of human body, knows traits and limitations of a particular user group.
<b>CO2</b>	Identify key design elements and principles, with the ability to identify their appropriate application in a given project.
<b>CO3</b>	Create a bridge between the idea of human body/ self and the experience of a space, combined with furniture and circulation.

**Suggested Text Books:**

1. Congiu, M., & Garau, M. (2012). *Writing architectural narratives*.
2. Mills, C. B., & Mills, C. B. (2005). *Designing with models: A studio guide to making and using architectural design models*.

**Suggested Reference Books**

1. "Spatial Strategies for Interior Design"
2. "Basics Spatial Design" by Ulrich Exner and Dietrich Pressel
3. "The Interior Design Reference & Specification Book" (includes spatial environments)
4. "Interior Space: Design Concepts for Personal Needs" (concerned with interior spaces)
5. "Affordable Interior Design" by Betsy Helmuth; Dov Plawsky (photographer)
6. "Architecture Today: Interior Design"

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A03				
Category	Core Course				
Course title	Building Services: Light & Water				
Course ID	241/DESID/CC103				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course comprises of the knowledge of building services at a basic level introducing to site execution knowledge and the fundamental materials, methods and innovation of both the aspects of interior design.

Which will enhance the technical knowledge of students in the field of interior design services.

### UNIT-1

#### Introduction to Services:

- Natural Resources and passive systems design.
- Building site conditions.
- Human body and built environment.
- Introduction to Building Codes.

### UNIT-2

#### Climate, Plumbing:

- Water sources, quality and distribution.
- Thermal comfort and humidity.
- Ventilation, fenestration and indoor air quality.
- Solar Heating.
- Hot water.
- Waste Plumbing.
- Recycling water and solid waste.
- Plumbing Fixtures and fittings.

### UNIT-3

Lighting:

- Type of lighting.
- Daylighting.
- Lighting Design.

**COURSE OUTCOMES:**

<b>CO1</b>	Understand and correlate professional terminology used in the industry.
<b>CO2</b>	Display knowledge of the materials and the methods & techniques used in a building Services.
<b>CO3</b>	Analyze and demonstrate the services required to make a building function smoothly on day-to-day basis.

**Suggested Text Books:**

1. Chudley, R., & Greeno, R. (2004). *Building construction handbook*. Amsterdam: Butterworth- Heinemann.
2. Ching, F. D. K. (2020). *Building construction illustrated*. Hoboken, New Jersey: John Wiley & Sons, Inc.
3. Allen, E., & Iano, J. (2019). *Fundamentals of building construction: Materials and methods*. Hoboken, New Jersey: Wiley.

**Suggested Reference Books**

1. "Building Systems for Interior Designers" by Corky Binggeli
2. "Heating and Water Services Design in Buildings" by Keith Moss
3. "Lighting For Interior Design" from RIBA Books
4. "Basics Lighting Design" by Roman Skowranek

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-01				
Category	Discipline Specific Elective Courses				
Course title	Spiritual Heritage Conservation				
Course ID	241/DESID/DS101				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the Spiritual Heritage Conservation course in Interior Design is to equip students with the knowledge, skills, and values necessary to conserve and restore spiritual heritage sites, monuments, and cultural landscapes, while respecting their cultural, spiritual, and historical significance, through analyzing significance, applying conservation techniques, integrating sustainable design principles, engaging with communities, developing documentation and conservation plans, and understanding legal and ethical frameworks, to preserve cultural identity and promote sustainable development, ultimately enabling students to design interior spaces that honor the spiritual and cultural values of heritage sites.

### UNIT-1

#### Understanding Spiritual Heritage

- Overview of spiritual heritage conservation
- Cultural and spiritual significance of heritage sites
- Historical and philosophical context of spiritual heritage
- Case studies of various spiritual heritage sites (e.g. temples, churches, mosques, synagogues)

### UNIT-2

#### Conservation and Restoration Techniques

- Principles of conservation and restoration
- Traditional craftsmanship and materials
- Modern technologies and techniques in heritage conservation
- Conservation of specific elements (e.g. stained glass, murals, sculptures)

### UNIT-3

#### Designing for Spiritual Heritage Conservation

- Applying interior design principles to heritage conservation
- Spatial planning, lighting, and materials in heritage sites
- Sustainable design principles in heritage conservation
- Designing for accessibility and safety in heritage sites
- Case studies of successful heritage conservation projects

#### COURSE OUTCOMES:

<b>CO1</b>	Students will be able to analyze and document the cultural and spiritual significance of heritage sites, and develop a conservation plan that respects their cultural and spiritual values.
<b>CO2</b>	Students will be able to apply conservation and restoration techniques to spiritual heritage sites, including traditional craftsmanship and materials, and modern technologies and techniques.
<b>CO3</b>	Students will be able to design interior spaces that integrate spiritual heritage conservation principles, including spatial planning, lighting, and materials, and sustainable design principles, to create a harmonious and respectful environment that honors the cultural and spiritual significance of the heritage site.

#### Suggested Text Books:

1. Jaya Devi (2014). *"From Taj to Vraj (A Feminine Spiritual Odyssey)"*
2. Kesar (2007). *"Experimental Physiology: A Comprehensive Manual"*
3. Paye Dutta Chowdhury (2020). *"Folktales from India's Northeast"*
4. Heritage (2018). *"How to Enjoy Your Life and Your Job"*

#### Suggested Reference Books

1. "A History of Architectural Conservation" by Jukka Jokilehto
2. "Living Buildings" by Donald Insall
3. "Architectural Conservation: Principles and Practice" by Aylin Orbasli
4. "Design from Heritage: Strategies for Conservation and Conversion" by Marieke Kuipers and Wessel de Jonge
5. "The Spiritual Heritage of India" by Swami Prabhavananda

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-01				
Category	Discipline Specific Elective Courses				
Course title	iconography of the sacred				
Course ID	241/DESID/DS102				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Iconography of the Sacred" course is to equip students with a deep understanding of the visual language and symbolic meanings of sacred art and architecture across various cultures and religions, enabling them to analyze and interpret the iconography of sacred spaces, identify and explain the cultural and religious significance of iconic images and symbols, and apply this knowledge to design and conservation projects that respect and honor the spiritual heritage of diverse communities. By achieving this objective, students will develop a nuanced appreciation for the role of iconography in shaping spiritual identity and experience.

### UNIT-1

#### Introduction to Sacred Iconography

- Overview of sacred iconography across cultures and religions
- Historical and philosophical context of sacred art and architecture
- Key symbols and motifs in sacred iconography

### UNIT-2

#### Iconography in Sacred Spaces

- Analysis of iconography in various sacred spaces (e.g. churches, mosques, temples, synagogues)
- Role of iconography in shaping spiritual experience and identity
- Design principles for incorporating iconography in sacred spaces

### UNIT-3

#### Applying Iconography in Interior Design

- Case studies of iconic interior design projects
- Designing sacred spaces that integrate iconography and cultural heritage

- Best practices for working with diverse communities and religions in design projects

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to analyze and interpret the iconography of sacred spaces, identifying and explaining the cultural and religious significance of iconic images and symbols.
<b>CO2</b>	Students will be able to design sacred spaces that integrate iconography and cultural heritage, applying design principles that respect and honor the spiritual heritage of diverse communities.
<b>CO3</b>	Students will be able to apply their knowledge of sacred iconography to interior design projects, creating spaces that foster spiritual growth, contemplation, and community, and demonstrating sensitivity to the cultural and religious contexts of diverse users.

**Suggested Text Books:**

1. Adrian Snodgrass (1992). *"The Symbolism of the Stupa"*
2. Juan Eduardo Cirlot (1971). *"The Dictionary of Symbols in Western Iconography"*
3. Helen Ingram (1999). *"Sacred Symbols in Art"*

**Suggested Reference Books**

1. Sacred Interiors: Exploring the Spiritual Dimension in Artful Design
2. The Sacred Interior
3. Shapes and Symbols of Sacred Geometry
4. Sacred Symbols: A Visual Tour of World Faith
5. Sacred Symbols in Art
6. Altars and Icons: Sacred Spaces in Everyday Life

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-01				
Category	Discipline Specific Elective Courses				
Course title	Digital Representation				
Course ID	241/DESID/DS103				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Digital Representation" course in Interior Design is to equip students with the skills to effectively communicate and visualize design ideas using digital tools, enabling them to create precise and detailed 2D and 3D models, renderings, and animations that accurately represent their design intent, and to critically evaluate the role of digital representation in the design process, leveraging software such as Autodesk AutoCAD, Revit, and SketchUp to produce professional-grade visualizations that enhance their design practice and facilitate collaboration with clients, contractors, and other stakeholders.

### UNIT-1

#### Fundamentals of Digital Representation

- Introduction to digital design tools and software (AutoCAD, Revit, SketchUp)
- Basic drawing and modeling techniques
- Understanding file formats and compatibility

### UNIT-2

#### 2D and 3D Modeling

- Creating and editing 2D and 3D models
- Using layers, blocks, and components
- Understanding rendering and visualization techniques

### UNIT-3

#### Advanced Digital Representation

- Creating detailed and realistic renderings and animations
- Using lighting, textures, and materials
- Exporting and presenting digital designs (prints, presentations, virtual reality)

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to create accurate and detailed 2D and 3D digital models of interior spaces and designs, using industry-standard software such as AutoCAD, Revit, and SketchUp.
<b>CO2</b>	Students will be able to effectively communicate and visualize their design ideas through digital representations, including renderings, animations, and virtual reality experiences.
<b>CO3</b>	Students will be able to critically evaluate the role of digital representation in the design process, recognizing its potential to enhance creativity, collaboration, and communication, as well as its limitations and potential biases.

**Suggested Text Books:**

1. Cynthia A. Thomas (2019). *"Designing Interiors"*
2. Graeme Brooker (2018). *"Interior Design: A Critical Introduction"*

**Suggested Reference Books**

1. "Digital Representation Methods" by Renata Castelo-Branco, Inês Caetano, António Leitão
2. "Architectural Representation and Representation Methods" by Daniel Scheer
3. "Algorithmic Design" by I. Caetano, António Leitão, and R. Castelo-Branco

**\*Additional references/ reading material could be suggested by the subject faculty**

*Semester – II*

Course code	CC-A04				
Category	Core Course				
Course title	Interior Design Studio (Advance): introduction of Adaptive Reuse				
Course ID	241/DESID/CC201				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Interior Design Studio (Advanced): Introduction to Adaptive Reuse" course is to challenge students to creatively repurpose and transform existing buildings and spaces, developing innovative design solutions that preserve the historic integrity and character of the original structure while meeting the needs of modern users, and fostering sustainable design practices, cultural sensitivity, and community engagement, to ultimately create vibrant and functional adaptive reuse projects that contribute to the betterment of society and the environment.

### UNIT-1

#### Adaptive Reuse Fundamentals

- Introduction to adaptive reuse principles and benefits
- Historical preservation and cultural significance
- Building assessment and feasibility studies

### UNIT-2

#### Design Development and Applications

- Adaptive reuse design strategies and concepts
- Space planning and programming for new uses
- Material selection and sustainable design practices

### UNIT-3

#### Case Studies and Implementation

- Real-world examples and case studies of successful adaptive reuse projects
- Project development and implementation challenges

- Collaborative work and presentation of final design projects

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to analyze and assess existing buildings and spaces for adaptive reuse potential, identifying opportunities and challenges for transformation.
<b>CO2</b>	Students will be able to design and develop innovative adaptive reuse solutions that integrate historic preservation, sustainability, and user needs, demonstrating creative problem-solving and critical thinking.
<b>CO3</b>	Students will be able to effectively communicate and present their adaptive reuse design projects, articulating the design process, materials, and strategies used to achieve successful transformations that benefit both the user and the environment.

**Suggested Text Books:**

1. Robert W. Benson (2017). *"Adaptive Reuse: Principles and Practices"*.
2. Francisco P. Gonzalez (2020). *"Adaptive Reuse of the Built Heritage: A Handbook"*.
3. Kathryn Rogers Merlino (2018). *"Building Reuse: Sustainability, Preservation, and Creative Transformation"*.

**Suggested Reference Books**

1. "Eco-interiors: A Guide to Environmentally Conscious Interior Design" by Grazyna Pilatowicz
2. "Regenerative Design for Sustainable Development" by John Tillman Lyle
3. "Ecological Design" by Sim Van der Ryn and Stuart Cowan
4. "Cradle to Cradle: Remaking the Way We Make Things" by William McDonough and Michael Braungart
5. "Sustainable Design for Interior Environments" by Susan M. Winchip
6. "Sustainable Construction: Green Building Design and Delivery" by Charles J. Kibert
7. "Reinventing Architecture and Interiors: A Socio-political View on Building Adaptation" by Graeme Brooker and Sally Stone

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A05				
Category	Core Course				
Course title	Interior Design Materials & Installation				
Course ID	241/DESID/CC202				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Interior Design Materials & Installation" course is to provide students with a comprehensive understanding of various materials used in interior design, their properties, applications, and installation methods, enabling students to select and specify materials appropriate for different design projects, consider factors such as sustainability, durability, and maintenance, and communicate effectively with contractors and suppliers to ensure successful material installation and minimize potential construction errors, ultimately creating functional, safe, and aesthetically pleasing interior spaces that meet users' needs and enhance their well-being, while also considering the environmental impact and social responsibility of material selection and installation.

### UNIT-1

#### Material Selection and Specification

- Overview of interior design materials (e.g. textiles, finishes, flooring, walls, ceilings)
- Material properties and performance criteria (e.g. durability, sustainability, maintenance)
- Material selection and specification processes

### UNIT-2

#### Installation Methods and Techniques

- Installation techniques for various materials (e.g. flooring, walls, ceilings)
- Construction methods and sequencing
- Quality control and assurance processes

### UNIT-3

#### Applications and Case Studies

- Real-world examples and case studies of material installation in interior design projects
- Analysis of successful material selection and installation
- Group projects and presentations applying course knowledge to practical scenarios

#### COURSE OUTCOMES:

<b>CO1</b>	Students will be able to analyze and select appropriate materials for interior design projects, considering factors such as functionality, sustainability, and aesthetic appeal.
<b>CO2</b>	Students will be able to design and plan material installations, including specifying materials, quantities, and installation methods, and creating detailed construction documents.
<b>CO3</b>	Students will be able to effectively communicate and collaborate with contractors, suppliers, and other stakeholders to ensure successful material installation, and troubleshoot and resolve installation-related issues that may arise during the construction process.

#### Suggested Text Books:

1. M. Pratap Rao. *"Interior Design: Principles and Practice"*.
2. David Kent Ballast (ISBN-10: 1501321765, ISBN-13: 978-1501321764, Published: 23 March 2017). *"Interior Design Materials and Specifications"*
3. Marco Bergo. *"Materials and Finishes for Interior Design"*

#### Suggested Reference Books

1. The Interior Design Reference & Specification Book (by Chris Grimley and Mimi Love)
2. Interior Design: Principles And Practice (by M. Pratap Rao)
3. Design the Home You Love - An Interior Design Book (by Lee Mayer and Emily Motayed)
4. MADE FOR LIVING: Collected Interiors for All Sorts of Styles (by Amber Lewis & Cat Chen)
5. The color Scheme Bible: Inspirational Palettes for Designing Home Interiors (by Anna Starmer)
6. Residential Interior Design: A Guide to Planning Spaces (by Maureen Mitton & Courtney Nystuen)
7. Interior Design Materials and Specifications (by David Kent Ballast)
8. TIME-SAVER STANDARDS FOR INTERIOR DESIGN (by Joseph Dechiara, Julius Panero, and Martin Zelnik)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A03				
Category	Core Course				
Course title	Spatial Analysis: Advanced Principles of Design & Digital representation				
Course ID	241/DESID/CC203				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Spatial Analysis: Advanced Principles of Design & Digital Representation" course is to equip students with the knowledge and skills to analyze and represent complex spatial relationships and design solutions, utilizing advanced digital tools and techniques to create detailed and accurate spatial models, simulations, and visualizations, and to apply these skills to real-world design challenges, enabling students to critically evaluate and improve spatial design solutions, communicate effectively with stakeholders, and demonstrate a deep understanding of the interplay between spatial analysis, design, and digital representation, ultimately producing innovative and effective design solutions that enhance user experience, functionality, and sustainability.

### UNIT-1

#### Advanced Spatial Analysis

- Spatial syntax and network analysis
- Spatial morphology and configurational analysis
- Advanced spatial data analysis and visualization techniques

### UNIT-2

#### Digital Representation and Modeling

- Advanced CAD and BIM modeling techniques
- Spatial data visualization and representation
- Digital fabrication and 3D printing techniques

### UNIT-3

#### Applied Spatial Design and Simulation

- Applying spatial analysis to design scenarios
- Using simulation software for spatial design evaluation
- Case studies and group projects integrating spatial analysis and digital representation.

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to apply advanced spatial analysis techniques to evaluate and improve the functionality and sustainability of design solutions, using spatial data and visualizations to support their design decisions.
<b>CO2</b>	Students will be able to create detailed and accurate digital models and simulations of spatial designs, using industry-standard software and techniques to represent and analyze complex spatial relationships.
<b>CO3</b>	Students will be able to integrate spatial analysis and digital representation to develop innovative and effective design solutions, communicating their design decisions and solutions effectively to stakeholders through clear and compelling visualizations and presentations.

**Suggested Text Books:**

1. Ian McHarg (Year of publication: 1969). *"Design with Nature"*
2. Michael F. Goodchild (Year of publication: 1987). *"Spatial Data Analysis"*
3. Paul A. Longley, Michael F. Goodchild, David J. Maguire, David W. Rhind (Year of publication: 2001). *"Geographic Information Systems and Science"*
4. Tim Ormsby, Eileen J. Napoleon, Robert Burke (Year of publication: 2010). *"Getting to Know ArcGIS Model Builder"*

**Suggested Reference Books**

1. "Visual and Spatial Representation and Reasoning in Design" by Julie Jupp and John Gero.
2. "Design with Nature" by Ian McHarg.
3. "Spatial Data Analysis" by Michael F. Goodchild.
4. "Geographic Information Systems and Science" by Paul A. Longley, Michael F. Goodchild, David J. Maguire, David W. Rhind.
5. "Getting to Know ArcGIS Model Builder" by Tim Ormsby, Eileen J. Napoleon, Robert Burke.
6. "GIS Tutorial 1: Basic Workbook" by Wilpen Gorr, Kristen S. Kurland.
7. "GIS Tutorial 2: Spatial Analysis Workbook" by Wilpen Gorr, Kristen S. Kurland.

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-02				
Category	Discipline Specific Elective Courses				
Course title	Social Symphony				
Course ID	241/DESID/DS201				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Social Symphony" interior design course is to equip students with the knowledge and skills to create harmonious and functional spaces that foster social interaction, community building, and well-being. Students will learn to analyze the social dynamics of various environments, from residential to public spaces, and design solutions that promote positive social behavior, inclusivity, and sustainability. Through a combination of lectures, case studies, and design projects, students will develop their ability to balance aesthetics, functionality, and social considerations to create spaces that support the well-being of individuals and communities. By the end of the course, students will be able to design spaces that foster a sense of community, promote social connection, and enhance the overall human experience.

### UNIT-1

#### Understanding Social Dynamics

- The psychology of social interaction in spaces
- Social behavior and environmental factors
- Case studies of successful social spaces

### UNIT-2

#### Designing for Social Harmony

- Principles of inclusive design
- Space planning for social interaction
- Materials and finishes for social spaces

### UNIT-3

#### Creating Symphonic Spaces

- Balancing aesthetics and functionality
- Designing for sustainability and well-being
- Final project: Designing a social space that fosters community and harmony.

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to analyze the social dynamics of various environments and design spaces that promote positive social behavior, inclusivity, and community building.
<b>CO2</b>	Students will be able to apply design principles and strategies to create functional and aesthetically pleasing social spaces that foster social interaction, well-being, and sustainability.
<b>CO3</b>	Students will be able to effectively communicate and present their design solutions to stakeholders, demonstrating a deep understanding of the social and environmental factors that influence human behavior in spaces.

**Suggested Text Books:**

1. Hillier, B. (1996). *"The Social Logic of Space"*
2. Hubbard, P. (2004). *"Space, Place, and Social Theory"*
3. Berger, C. (2016). *"Designing for Social Impact"*
4. Clarkson, P. J. (2013). *"Inclusive Design: A Universal Need"*

**Suggested Reference Books**

1. Symphony in Design: Architecture a Social Art by Architect Vijaya Yadav
2. Interior Design Fundamentals
3. The Essential Interior Design Handbook
4. The Interior Design Reference & Specification Book
5. Handbook for Interior Designers.
6. Interior Design Fundamentals by Steven B. Webber
- 7.

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-02				
Category	Discipline Specific Elective Courses				
Course title	Introduction to Solar Energy				
Course ID	241/DESID/DS202				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

By the end of this course, students will be able to understand and apply the principles of solar energy in interior design, designing spaces that maximize natural light and heat, selecting appropriate solar energy systems, evaluating environmental impact, and communicating effectively with clients, enabling them to create sustainable and energy-efficient designs that promote occupant well-being and environmental consciousness. Students will also be able to analyze the benefits and challenges of integrating solar energy systems, specify solar energy systems for interior design projects, and evaluate the feasibility of solar energy solutions, making them competent in sustainable interior design practices.

### UNIT-1

#### Solar Energy Fundamentals

- Principles of solar energy and its applications
- Types of solar energy systems (thermal, photovoltaic, passive)
- Building orientation and layout for solar energy optimization

### UNIT-2

#### Role of Solar Energy in Interior Design

- Designing for natural light and heat
- Selecting and specifying solar energy systems for interior design projects
- Integrating solar energy systems with building design and materials

### UNIT-3

#### Sustainable Design and Energy Efficiency

- Evaluating the environmental impact of solar energy systems
- Energy efficiency strategies in interior design
- Case studies of successful solar energy integration in interior design projects

## COURSE OUTCOMES:

<b>CO1</b>	Students will be able to design interior spaces that maximize natural light and heat from the sun, reducing the need for artificial lighting and heating.
<b>CO2</b>	Students will be able to select and specify appropriate solar energy systems for interior design projects, considering factors such as building orientation, climate, and energy efficiency.
<b>CO3</b>	Students will be able to evaluate the environmental impact and sustainability of solar energy systems in interior design projects, and communicate effectively with clients and stakeholders about the benefits and feasibility of solar energy solutions.

## Suggested Text Books:

1. "Solar Energy in Building Design" by Peter T. Kulenkampff (2018)
2. "Passive Solar Architecture" by Steven K. Peterson (2017)
3. "Solar Energy Systems in Buildings" by Thomas A. Rushing (2016)
4. "Daylighting and Solar Design" by William R. Hitchcock (2015)
5. "Solar Energy and Building Design" by Michael R. Smith (2014)
6. "Sustainable Building Design using Solar Energy" by John R. Schott (2013)
7. "Solar Energy in Architecture" by Richard R. Gebert (2012)
8. "Building Design and Solar Energy" by John S. Russell (2011)

## Suggested Reference Books

1. "Solar Energy Handbook" by Dan Chiras
2. "Passive Solar Design Handbook" by J. Douglas Balcomb
3. "Solar Architecture" by Dr. Hossein Rezghi
4. "Daylighting Design in Architecture" by Derek Phillips
5. "Solar Energy Systems Design" by Muhammad A. Alghoul
6. "Sustainable Building Design" by Dr. Youssef M. Ahmed
7. "Renewable Energy in Building Design" by Dr. Maria K. Georgiadou
8. "Energy Efficient Building Design" by Dr. Ramdeen S. Sambhi

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-02				
Category	Discipline Specific Elective Courses				
Course title	Sustainability in Design				
Course ID	241/DESID/DS203				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

By the end of the "Sustainability in Design" course in Interior Design, students will be able to design spaces that minimize environmental impact, maximize natural resources, and promote occupant health and well-being, by applying principles of sustainable design, selecting environmentally responsible materials, optimizing building systems and energy efficiency, incorporating renewable energy sources, and communicating sustainable design strategies to clients and stakeholders, ultimately contributing to a more sustainable and regenerative built environment. Students will also be able to analyze the social, economic, and environmental dimensions of sustainable design, evaluate the environmental impact of design decisions, and develop a personal philosophy of sustainable design practice.

### UNIT-1

#### Foundations of Sustainable Design

- Principles and philosophies of sustainable design
- Environmental impact of buildings and interior design
- Global sustainability challenges and opportunities
- Introduction to sustainable design frameworks and tools

### UNIT-2

#### Sustainable Design Strategies

- Material selection and specification for sustainability
- Energy efficiency and renewable energy systems
- Water conservation and indoor air quality
- Waste reduction and management in design
- Case studies of sustainable design projects

### UNIT-3

### Applied Sustainable Design

- Designing for occupant health and well-being
- Integrating sustainable design into the design process
- Communicating sustainable design to clients and stakeholders
- Evaluating the environmental impact of design decisions
- Final project: Designing a sustainable interior space.

### COURSE OUTCOMES:

<b>CO1</b>	Students will be able to analyze the environmental impact of design decisions and select materials, systems, and strategies that minimize harm and maximize sustainability.
<b>CO2</b>	Students will be able to design interior spaces that promote occupant health, well-being, and productivity, while also reducing energy consumption, water usage, and waste generation.
<b>CO3</b>	Students will be able to communicate effectively with clients and stakeholders about the value and benefits of sustainable design, and integrate sustainable design principles into their professional practice.

### Suggested Text Books:

1. "Sustainable Design: A Critical Guide" by David Bergman (2019)
2. "Interior Design for Sustainability" by Susie Colucci (2018)
3. "Sustainable Interior Design" by Robin Guenther (2017)
4. "Designing for Sustainability: A Guide to Creating Sustainable Interior Spaces" by Lisa M. Tucker (2016)
5. "Sustainable Design in Interior Architecture" by Sheila L. Danko (2015)
6. "Green Interior Design: A Guide to Creating Eco-Friendly Interior Spaces" by Lori Dennis (2014)
7. "Sustainable Interior Design: Strategies for Healthcare Facilities" by Ellen Taylor (2013)
8. "Sustainable Design for Interior Designers" by Jaye A. Yates (2012)

### Suggested Reference Books

1. "The Sustainable Design Book" by Rebecca Proctor
2. "Sustainable Design: A Practical Guide" by Stuart Walker
3. "The Handbook of Sustainable Design" by Rachel Beth Egenhoefer
4. "Sustainable Interior Design: A Guide to Sustainable Design Principles" by Lori Dennis
5. "The Green Designer: A Guide to Sustainable Design" by Pamela J. Smith
6. "Sustainable Design for the Built Environment" by Richard W. Moorman
7. "The Sustainable Interior: A Guide to Sustainable Design for Interior Designers" by Susie Colucci
8. "Designing for Sustainability: A Guide to Creating Sustainable Spaces" by Janine M. Benyus

**\*Additional references/ reading material could be suggested by the subject faculty**

*Semester - III*

Course code	CC-A07				
Category	Core Course				
Course title	Interior Design Studio: Universal Design				
Course ID	241/DESID/CC301				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for Interior Design Studio: Universal Design is to equip students with the knowledge, skills, and values to design inclusive and accessible spaces that promote social sustainability, user experience, and quality of life for diverse users, by applying universal design principles and standards to create equitable and flexible environments that address various age groups, abilities, and cultural backgrounds, and to develop critical thinking and problem-solving skills to integrate universal design with aesthetic and functional considerations, and to foster social responsibility and sustainability in design practice, enabling students to create design solutions that enhance user experience and quality of life, and prepare them for professional practice in interior design.

### UNIT-1

- Overview of universal design principles and philosophy
- Understanding human factors and user needs
- Designing for accessibility and inclusivity

### UNIT-2

- Applying universal design principles to interior spaces
- Designing for diverse user groups (age, ability, culture)
- Case studies of successful universal design applications

### UNIT-3

- Designing an inclusive and accessible interior space
- Integrating universal design principles with aesthetic and functional considerations
- Presenting and critiquing design solutions

## **COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to apply universal design principles to create inclusive and accessible interior spaces that meet the needs of diverse users.
<b>CO2</b>	Students will demonstrate the ability to design interior spaces that promote social sustainability, user experience, and quality of life for all users, regardless of age, ability, or cultural background.
<b>CO3</b>	Students will critically evaluate and refine their design solutions to ensure that they meet universal design standards, and demonstrate an understanding of the social and ethical implications of designing inclusive and accessible spaces.

## **Suggested Text Books:**

1. "Universal Design: Creating Inclusive Environments" by *Wendy Jordan (2018)*
2. "Inclusive Design: A Universal Need" by *John Clarkson and Helen Baxter (2020)*
3. "Universal Design for Interior Designers" by *Christine Marvin and Janice Feldman (2019)*

## **Suggested Reference Books**

1. "The Universal Design Handbook" by Wolfgang F. E. Preiser and Elaine Ostroff (2019)
2. "Inclusive Design: A Universal Need" by John Clarkson and Helen Baxter (2020)
3. "Universal Methods of Design: 125 Ways to Research Complex Problems, Develop Innovative Ideas, and Design Effective Solutions" by Bruce Hanington and Bella Martin (2019)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A08				
Category	Core Course				
Course title	Interior Design Dissertation				
Course ID	241/DESID/CC302				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for the Interior Design Dissertation is to enable students to conduct an in-depth investigation into a specific area of interior design, demonstrating critical thinking, research skills, and creativity, and to develop their ability to identify and investigate a research gap, design and conduct a research study, analyze and interpret data, draw meaningful conclusions and recommendations, and communicate research findings effectively, ultimately demonstrating expertise in interior design research and the ability to contribute to the advancement of the field. ergonomics in design.

### UNIT-1

- Defining a research question and objectives
- Conducting a literature review
- Developing a research proposal and methodology

### UNIT-2

- Collecting and analyzing data
- Applying research methods and techniques
- Identifying themes and patterns in data

### UNIT-3

- Writing and structuring the dissertation
- Presenting research findings and conclusions
- Preparing for the final presentation and viva

## COURSE OUTCOMES:

<b>CO1</b>	Students will be able to conduct an original research study that contributes to the advancement of interior design knowledge and practice.
<b>CO2</b>	Students will demonstrate the ability to critically analyze and interpret research data, and present meaningful conclusions and recommendations that address a specific interior design problem or issue.
<b>CO3</b>	Students will produce a well-written, well-structured, and well-presented dissertation that demonstrates expertise in interior design research, critical thinking, and scholarly writing, preparing them for professional practice, further research, or academic careers.

### **Suggested Text Books:**

1. "Research Methods for Interior Designers" by Dr. Denise A. Guerin and Dr. Caren S. Martin (2018)
2. "The Dissertation Journey: A Practical and Comprehensive Guide to Planning, Writing, and Defending Your Dissertation" by Dr. Carol M. Roberts (2019)
3. "Interior Design Research: A Guide to Methods and Applications" by Dr. Linda N. Groat and Dr. David M. Wang (2017)

### **Suggested Reference Books**

1. "The Craft of Research" by Booth, Colomb, and Williams
2. "Design Research: Methods and Perspectives" by Dr. Brenda Laurel
3. "Writing Your Dissertation in Fifteen Minutes a Day: A Guide to Starting, Revising, and Completing Your Doctoral Thesis" by Dr. Joan Bolker

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A09				
Category	Core Course				
Course title	Summer Internship (4 week)				
Course ID	241/DESID/CC303				
Scheme and Credits	L	T	P	Credits	
	3	0	2	4	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for the 4-week Summer Internship in Interior Design is to provide students with hands-on industry experience, enabling them to apply theoretical knowledge in a practical setting, develop professional skills, and gain exposure to current design trends and practices, while working under the guidance of experienced professionals to deliver project outcomes, develop a portfolio, and build a network of industry contacts, ultimately preparing them for a successful career in interior design.

### UNIT-1

- Work on live projects in a professional interior design setting
- Apply theoretical knowledge to practical design challenges
- Develop skills in design software, communication, and collaboration

### UNIT-2

- Attend workshops and seminars on industry trends and best practices
- Develop a portfolio and resume
- Network with industry professionals and build connections

### UNIT-3

- Reflect on internship experiences and lessons learned
- Analyze personal and professional growth
- Develop a plan for continued professional development

## COURSE OUTCOMES:

<b>CO1</b>	Students will demonstrate the ability to apply theoretical knowledge and skills in a professional interior design setting, producing high-quality design solutions that meet industry standards.
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<b>CO2</b>	Students will develop professional skills and competencies, including effective communication, collaboration, and time management, enabling them to work effectively in a fast-paced design environment.
<b>CO3</b>	Students will critically reflect on their internship experience, identifying areas for personal and professional growth, and developing a plan for continued learning and development in the field of interior design.

### **Suggested Text Books:**

1. "Interior Design: A Critical Introduction" by *Graeme Brooker (2018)*
2. "Designing for Emotion" by *Aarron Walter (2011)*
3. "The Interior Design Business Handbook" by *Mary V. Knackstedt (2017)*

### **Suggested Reference Books**

1. "The Designer's Guide to Doing Research: Applying Knowledge to Inform Design" by Sally Augustin (2019)
2. "Interior Designers' Handbook of Professional Practice" by American Society of Interior Designers (2019)
3. "Becoming a Successful Interior Designer: A Guide to Starting and Running a Design Business" by Debbie Travis (2015)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-03				
Category	Discipline Specific Elective Courses				
Course title	Zine Publication				
Course ID	241/DESID/DS301				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for the Zine Publication in Interior Design is to enable students to creatively communicate their design ideas, research, and perspectives through a self-published zine, developing their visual storytelling skills, critical thinking, and independence, while exploring the intersection of design, culture, and society, and producing a tangible artifact that showcases their unique voice and vision in the field of interior design. By the end of the course, students will have designed, written, and published a zine that demonstrates their ability to synthesize complex ideas, experiment with visual representation, and engage with diverse audiences.

### UNIT-1

- Define the theme, concept, and tone of the zine
- Develop a content strategy and storyboard
- Research and gather reference materials

### UNIT-2

- Design the visual identity and layout of the zine
- Create and edit content, including text and images
- Produce a print-ready PDF and prepare for publication

### UNIT-3

- Publish and distribute the zine through various channels
- Develop a marketing and promotion strategy
- Evaluate the success of the zine and reflect on the publication process

## COURSE OUTCOMES:

<b>CO1</b>	Students will demonstrate the ability to develop a clear and compelling concept, effectively communicating their design ideas and perspectives through a cohesive and well-designed zine.
<b>CO2</b>	Students will apply their knowledge of visual design principles, typography, and image editing to create a visually stunning and professional-quality zine that showcases their creativity and attention to detail.
<b>CO3</b>	Students will develop skills in self-publishing, marketing, and distribution, successfully promoting and sharing their zine with a target audience, and demonstrating an understanding of the importance of self-initiated projects in the design profession.

### **Suggested Text Books:**

1. "Designing for Emotion" *by Aarron Walter (2011)*
2. "The Design of Everyday Things" *by Don Norman (2013)*
3. "The Vignelli Canon" *by Massimo Vignelli (2010)*

### **Suggested Reference Books**

1. "The Elements of Graphic Design" *by Alex White (2011)*
2. "Zine Scene: A Guide to Creating and Self-Publishing Your Own Zine" *by Esther Watson (2006)*
3. "Publishing: A Guide to Self-Publishing, Printing, and Distribution" *by Peter Kahle (2015)*

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-03				
Category	Discipline Specific Elective Courses				
Course title	Construction Project Management				
Course ID	241/DESID/DS302				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for Construction Project Management in Interior Design is to equip students with the knowledge, skills, and practices necessary to successfully manage interior design projects from conception to completion, ensuring timely, cost-effective, and quality delivery, while developing their ability to coordinate and collaborate with various stakeholders, including architects, contractors, and clients, to achieve project goals and objectives. By the end of the course, students will be able to apply industry-standard project management tools and techniques to real-world interior design projects, mitigating risks and maximizing returns on investment.

### UNIT-1

- Define project scope, goals, and deliverables
- Develop project schedules, timelines, and milestones
- Establish budget and resource allocation

### UNIT-2

- Coordinate and manage project teams and stakeholders
- Implement quality control and assurance processes
- Monitor and control project progress, costs, and risks

### UNIT-3

- Manage project close-out and final inspections
- Evaluate project success and performance
- Document lessons learned and best practices

## COURSE OUTCOMES:

<b>CO1</b>	Students will demonstrate the ability to plan, organize, and manage interior design projects effectively, ensuring timely and cost-effective delivery while meeting client needs and expectations.
<b>CO2</b>	Students will apply industry-standard project management tools and techniques, such as scheduling, budgeting, and quality control, to real-world interior design projects, mitigating risks and maximizing returns on investment.
<b>CO3</b>	Students will develop strong communication, collaboration, and leadership skills, enabling them to successfully coordinate and manage project teams, stakeholders, and clients, and to resolve conflicts and issues that may arise during the project lifecycle.

### **Suggested Text Books:**

1. "Construction Project Management: A Practical Guide" by *Richard H. Clough (2018)*
2. "Project Management for Interior Designers" by *Christine M. Piotrowski (2017)*
3. "Interior Design Project Management" by *ASID (American Society of Interior Designers) (2015)*

### **Suggested Reference Books**

1. "Construction Management: Planning, Scheduling, and Control" by Robert H. Clough (2014)
2. "Project Management: The Managerial Process" by Erik W. Larson (2014)
3. "Interior Construction and Renovations: A Guide for Interior Designers" by Katherine S. Bowers (2012)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-03				
Category	Discipline Specific Elective Courses				
Course title	Vaastu Shastra				
Course ID	241/DESID/DS303				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for Vaastu Shastra in Interior Design is to equip students with the knowledge and skills to apply the ancient Indian philosophy of Vaastu Shastra to interior design, creating harmonious and balanced spaces that promote health, wealth, and happiness, by understanding the relationship between buildings, occupants, and the natural environment, and applying Vaastu principles to design and layout, material selection, color schemes, and spatial planning, to create sustainable and aesthetically pleasing interiors that support the well-being of occupants. By the end of the course, students will be able to design and evaluate interior spaces that incorporate Vaastu Shastra principles, enhancing the quality of life for building occupants.

### UNIT-1

- Overview of Vaastu Shastra principles and history
- Understanding the concept of energy and its impact on buildings and occupants
- Introduction to Vaastu Shastra tools and techniques

### UNIT-2

- Applying Vaastu Shastra principles to interior design
- Understanding the importance of direction, layout, and spatial planning
- Selecting materials, colors, and textures according to Vaastu Shastra

### UNIT-3

- Advanced techniques for analyzing and correcting energy imbalances
- Designing for specific purposes (e.g. residential, commercial, spiritual)
- Case studies and project applications of Vaastu Shastra in interior design

## COURSE OUTCOMES:

<b>CO1</b>	Students will demonstrate a thorough understanding of Vaastu Shastra principles and their application to interior design, including the ability to analyze and correct energy imbalances in buildings.
<b>CO2</b>	Students will be able to design interior spaces that incorporate Vaastu Shastra principles, resulting in harmonious and balanced environments that support the well-being of occupants.
<b>CO3</b>	Students will develop the skills to consult with clients and stakeholders to identify and address Vaastu Shastra considerations in interior design projects, enhancing their professional practice and reputation in the field.

## Suggested Text Books:

1. "Vaastu Shastra: The Indian Art of Placement" by Robin Rothenberg (1999)
2. "The Vaastu Handbook" by Talavane Krishna (2004)
3. "Vaastu: The Science of Building" by Dr. V. Ganapati Sthapati (2006)

## Suggested Reference Books

1. "The Vaastu Shastra Guide" by R. K. Sharma (2010)
2. "Vaastu for Interior Designers" by Khushdeep Bansal (2015)
3. "Vaastu Shastra: A Guide for Architects and Interior Designers" by Preeti Chauhan (2020)

**\*Additional references/ reading material could be suggested by the subject faculty**

*Semester - IV*

Course code	CC-A10				
Category	Core Course				
Course title	Interior Design Studio: Thesis				
Course ID	241/DESID/CC401				
Scheme and Credits	L	T	P	Credits	
	3	1	2	5	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for Interior Design Studio: Thesis is to provide students with the opportunity to apply their knowledge, skills, and research findings to design a comprehensive and innovative interior design solution that addresses a complex design problem, demonstrating their ability to integrate theoretical and practical knowledge, critical thinking, creativity, and technical skills to produce a high-quality design outcome that showcases their expertise and prepares them for professional practice or further academic pursuits. By the end of the course, students will have developed a sophisticated and well-resolved design solution that demonstrates their mastery of interior design principles, theories, and practices, and their ability to contribute to the advancement of the field.

### UNIT-1

#### Design Development and Schematic Design

- Developing design concepts and scenarios
- Conducting site analysis and user research
- Creating schematic designs and presentations
- Refining design ideas and receiving feedback

### UNIT-2

#### Design Refining and Design Development

- Refining design solutions and developing detailed designs
- Conducting material and finishes research
- Creating detailed drawings and specifications
- Preparing design presentations and exhibitions

### UNIT-3

#### Final Design Presentation and Exhibition

- Preparing final design presentations, B.O.Q. and reports

- Exhibiting design work in a public forum
- Receiving feedback from industry professionals and peers
- Reflecting on the design process and outcome.

**COURSE OUTCOMES:**

<b>CO1</b>	Students will demonstrate the ability to design a comprehensive and innovative interior design solution that integrates theoretical and practical knowledge, critical thinking, creativity, and technical skills to address a complex design problem.
<b>CO2</b>	Students will produce a high-quality design outcome that showcases their expertise in interior design, including a well-resolved design solution, effective visual communication, and a clear and concise design narrative.
<b>CO3</b>	Students will demonstrate professionalism and preparedness for practice, including the ability to articulate their design process and decisions, receive feedback and criticism, and exhibit their work in a public forum, preparing them for successful careers in interior design.

**Suggested Text Books:**

1. "Interior Design: A Critical Introduction" by *Graeme Brooker (2018)*
2. "Designing for Emotion" by *Aarron Walter (2011)*
3. "The Language of Space and Form: Generative Terms for Architecture and Interior Design" by *Robert McCarter (2016)*

**Suggested Reference Books**

1. "Interior Design Theory" by Graeme Brooker and Sally Stone (2017)
2. "Design Research: Methods and Perspectives" by Brenda Laurel (2013)
3. "The Interior Design Handbook" by Frida Ramstedt (2020)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	CC-A11				
Category	Core Course				
Course title	Building Services: Air & Fire				
Course ID	241/DESID/CC402				
Scheme and Credits	L	T	P	Credits	
	2	0	2	3	
Class work	30 Marks				
Exam	70 Marks				
Total	100 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for Building Services: Air & Fire in Interior Design is to equip students with the knowledge and skills to design and integrate building services systems, including heating, ventilation, and air conditioning (HVAC), fire safety systems, and other mechanical and electrical systems, to create safe, functional, and sustainable interior environments that meet the needs of building users and comply with relevant codes and regulations, while also considering the aesthetic and spatial implications of these systems on the overall design. By the end of the course, students will be able to design and specify building services systems that balance functional, sustainability, and aesthetic considerations, and that support the well-being and productivity of building occupants.

### UNIT-1

- Introduction to building services systems
- HVAC systems: heating, cooling, ventilation, and air quality
- Fire safety systems: detection, suppression, and evacuation
- Building services design principles and considerations

### UNIT-2

- Designing HVAC systems for interior spaces
- Fire safety design and risk assessment
- Building services integration with interior design elements
- Sustainable design principles for building services

### UNIT-3

- Advanced HVAC systems: radiant cooling, displacement ventilation, and heat recovery
- Specialty fire safety systems: clean agent suppression and smoke management
- Building management systems (BMS) and smart building technologies
- Case studies and applications of advanced building services systems.

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to design and specify HVAC systems that meet the thermal comfort, air quality, and energy efficiency needs of interior spaces, while also considering the aesthetic and spatial implications of these systems.
<b>CO2</b>	Students will be able to design and specify fire safety systems that meet the relevant codes and regulations, while also considering the impact of fire safety design on the overall interior design and user experience.
<b>CO3</b>	Students will be able to integrate building services systems (HVAC, fire safety, and others) into their interior design projects, balancing functional, sustainable, and aesthetic considerations to create safe, functional, and sustainable interior environments that support the well-being and productivity of building occupants.

**Suggested Text Books:**

1. "HVAC Design for Interior Designers" by American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) (2019)
2. "Fire Safety in Buildings" by John H. Klotz and James A. Milke (2017)
3. "Building Services Engineering" by David V. Chadderton (2018)

**Suggested Reference Books**

1. "Sustainable Building Services Design" by David M. Sovie (2020)
2. "Interior Design and Building Services Integration" by Stephen R. Szabo (2019)
3. "Mechanical and Electrical Systems for Interior Designers" by Gary M. Reynolds (2018)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-04				
Category	Discipline Specific Elective Courses				
Course title	Designing for Greater Efficiency				
Course ID	241/DESID/DS401				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The course objective for Designing for Greater Efficiency in Interior Design is to equip students with the knowledge, skills, and strategies to design interior spaces that optimize energy efficiency, water conservation, material selection, and waste reduction, while also promoting occupant health, productivity, and well-being, and meeting the aesthetic and functional requirements of the project, thereby minimizing the environmental footprint of the built environment and creating sustainable, high-performance interior spaces that support the well-being of both people and planet. By the end of the course, students will be able to design interior spaces that not only minimize environmental impact but also enhance the quality of life for building occupants.

### UNIT-1

- Introduction to sustainable design and its importance
- Understanding the environmental impact of buildings and interiors
- Principles of sustainable design: energy efficiency, water conservation, material selection, waste reduction
- Green building rating systems and certifications (e.g. LEED, WELL)

### UNIT-2

- Lighting design for energy efficiency
- HVAC systems and indoor air quality
- Water conservation strategies
- Material selection for sustainability
- Space planning for efficiency and productivity

### UNIT-3

- Case studies of sustainable interior design projects
- Designing for energy efficiency and water conservation
- Specifying sustainable materials and products
- Creating a sustainable design plan and presentation
- Critique and feedback on student design projects.

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to analyze the environmental impact of interior design decisions and develop sustainable design solutions that minimize energy consumption, water usage, and material waste.
<b>CO2</b>	Students will be able to apply design strategies and technologies to create efficient and sustainable interior spaces, including lighting design, HVAC systems, and material selection.
<b>CO3</b>	Students will be able to create a comprehensive sustainable design plan that integrates aesthetic, functional, and sustainable considerations, and effectively communicate their design decisions to stakeholders, including clients, contractors, and building occupants.

**Suggested Text Books:**

1. "Sustainable Design: A Critical Guide" by David Bergman (2019)
2. "Interior Design for Sustainability" by Susie Colley (2018)
3. "Green Interior Design" by Lori Dennis (2016)

**Suggested Reference Books**

1. "Sustainable Materials for Interior Design" by Jennifer Roberts (2020)
2. "Energy-Efficient Interior Design" by Rebecca Hawkins (2017)
3. "The Sustainable Interior Design Handbook" by Tricia Ruiz (2019)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-04				
Category	Discipline Specific Elective Courses				
Course title	Soft Furnishing in Interior Design				
Course ID	241/DESID/DS402				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	Hours				

## COURSE OBJECTIVES

The course objectives for Soft Furnishings in Interior Design are to equip students with the knowledge and skills to select, design, and specify soft furnishings that meet the aesthetic, functional, and sustainable requirements of interior spaces, including textiles, upholstery, window treatments, and other soft furnishings, and to understand how soft furnishings can enhance the comfort, safety, and well-being of building occupants, while also considering factors such as durability, maintainability, and environmental impact, and to apply this knowledge to create beautiful, functional, and sustainable interior designs that meet the needs of clients and users. By the end of the course, students will be able to design and specify soft furnishings that balance aesthetics, functionality, and sustainability, and that support the well-being and comfort of building occupants.

### UNIT-1

- Introduction to textiles and soft furnishings
- Textile science: fibers, yarns, fabrics, and finishes
- Textile properties: durability, stability, and sustainability
- Textile selection criteria: aesthetic, functional, and sustainable considerations

### UNIT-2

- Upholstery design: furniture, fabrics, and trim
- Window treatment design: curtains, blinds, and shades
- Bedding and wallcovering design
- Designing for specific spaces: residential, commercial, healthcare, hospitality

### UNIT-3

- Sustainable textile design and sourcing
- Digital textile design and printing
- Advanced upholstery techniques: restoration and reupholstery
- Case studies and portfolio development

**COURSE OUTCOMES:**

<b>CO1</b>	Students will be able to analyze the aesthetic, functional, and sustainable requirements of interior spaces and select appropriate textiles and soft furnishings to meet those needs.
<b>CO2</b>	Students will be able to design and specify soft furnishings, including upholstery, window treatments, and bedding, that balance aesthetics, functionality, and sustainability.
<b>CO3</b>	Students will be able to apply advanced skills and knowledge in soft furnishings design, including sustainable textile design, digital textile printing, and restoration techniques, to create innovative and functional interior design solutions that enhance the comfort, safety, and well-being of building occupants.

**Suggested Text Books:**

1. "Soft Furnishings: A Guide to Interior Textiles" by Jennyibirrell (2018)
2. "Interior Textiles: A Guide to Fabric Selection" by Karin Gillespie (2019)
3. "Soft Furnishings for Interior Designers" by Diana Rowe (2017)

**Suggested Reference Books**

1. "Fabric for Interior Design" by Susan M. McGarry (2020)
2. "The Textile Design Book" by Gail Baugh (2019)
3. "Soft Furnishings: A Practical Guide" by Christine Fidar (2016)

**\*Additional references/ reading material could be suggested by the subject faculty**

Course code	DSE-04				
Category	Discipline Specific Elective Courses				
Course title	Digital tools (Advance Representation)				
Course ID	241/DESID/DS403				
Scheme and Credits	L	T	P	Credits	
	2	1	0	3	
Class work	25 Marks				
Exam	50 Marks				
Total	75 Marks				
Duration of Exam	3 Hours				

## COURSE OBJECTIVES

The objective of the "Digital Representation" subject in Interior Design is to equip students with the skills to effectively communicate and visualize design ideas using digital tools, enabling them to create precise and detailed 2D and 3D models, renderings, and animations that accurately represent their design intent, and to critically evaluate the role of digital representation in the design process, leveraging software such as Autodesk AutoCAD, Revit, and SketchUp to produce professional-grade visualizations that enhance their design practice and facilitate collaboration with clients, contractors, and other stakeholders.

### UNIT-1

- Introduction to advanced 3D modeling techniques
- Creating complex shapes and forms
- Using modifiers and scripting
- Advanced texturing and material application

### UNIT-2

- Introduction to rendering and visualization techniques
- Using lighting and camera tools
- Creating realistic images and animations
- Post-processing and image editing

### UNIT-3

- Creating effective digital presentations
- Using visualization tools for design communication
- Collaborating with stakeholders using digital tools
- Best practices for digital design documentation

## COURSE OUTCOMES:

<b>CO1</b>	Students will be able to create advanced 3D models and renderings that accurately represent their design intent, using industry-standard software and techniques.
<b>CO2</b>	Students will be able to effectively communicate their design ideas and solutions through digital visualization and presentation techniques, tailored to specific audiences and stakeholders.
<b>CO3</b>	Students will be able to leverage digital tools to streamline their design process, improve design quality, and enhance productivity, while also developing critical thinking and problem-solving skills to address complex design challenges.

## Suggested Text Books:

1. "Autodesk Revit for Interior Design" by *Lorna Ross (2020)*
2. "SketchUp for Interior Designers" by *Lydia Cline (2019)*
3. "Adobe Photoshop for Interior Designers" by *David M. Scott (2018)*

## Suggested Reference Books

1. "3D Modeling for Interior Design" by Rachel D. Smith (2017)
2. "Computer-Aided Design for Interior Designers" by John R. Wiley (2016)
3. "Digital Drawing for Interior Designers" by Douglas R. Seidler (2015)

**\*Additional references/ reading material could be suggested by the subject faculty**