



# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Architecture

### M.Des. in Interior Design

#### MDID 101 - DESIGN I (INDIAN VERNACULAR INTERIORS)

COURSE CODE	Category	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
MDID 101	STUDIO	DESIGN I (INDIAN VERNACULAR INTERIORS)	0	0	0	240	160	0	0	12	12

**Legends:** L - Lecture; T - Tutorial/Teacher Guided Student Activity; S – Studio ; C - Credit;

\*Teacher Assessment shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

#### Course Educational Objectives (CEOs):

To develop the understanding of different interior spaces and application of vernacular materials and traditional techniques used in India.


#### Course Outcomes (COs):

After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes.

The students will be able to understand the spatial organization used in different zones in India and application of different interior design strategies used according to the region and local character.

Focus on traditional construction technique and vernacular material used in different areas of India.

  
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## Syllabus

<b>Unit I :</b> Analysis of spaces its utilization and appropriateness according to local conditions.	<b>24 HRS</b>
<b>Unit II:</b> Traditional techniques and its application in interior design Use of locally available material in interior design of given space	<b>12 HRS</b>
<b>Unit-III :</b> Organization of spaces, Circulation pattern according to Indian interiors. Typology: <b>Interior design of Residence, Museum, Design Center.</b>	<b>12 HRS</b>
<b>Review 1: Documentation stage review</b>	<b>06 HRS</b>
<b>Unit-IV:</b> Brief introduction of topic and group activity of identification of case study	<b>06 HRS</b>
<b>Unit V:</b> Case study and requirement finalization	<b>06 HRS</b>
<b>Review 2: Pre design Stage review</b>	<b>06 HRS</b>
<b>Unit VI:</b> Conceptual design discussion and review	<b>12 HRS</b>
<b>Unit VII:</b> Design development	<b>12 HRS</b>
<b>Review 3: Design Development stages</b>	<b>06 HRS</b>
<b>Unit VIII:</b> Detailing of interior design of all the spaces	<b>12 HRS</b>
<b>Unit IX:</b> Elevations of all the walls, material selection	<b>12 HRS</b>
<b>Review 4: Review on Finalization of drawing</b>	<b>06 HRS</b>
<b>Unit X:</b> Details of furniture and treatments	<b>12 HRS</b>
<b>Unit-XI:</b> Integration of different services in the design using traditional techniques. I.e. Air-conditioning, lighting, plumbing etc.	<b>24 HRS</b>
<b>Review 4: Pre Final</b>	<b>06 HRS</b>
<b>Final submission</b>	<b>06 HRS</b>

  
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### Text Books:

Time saver standards for interior design and space planning

### References:

1. India: Decoration, Interiors, Design , Henry Wilson
2. Indian Interiors, Deidi von Schaewen and Sunil Sethi

### Stages of Design Development:

Concept development  
All floor plans  
Elevation sections  
Material selection and application  
Model

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## Shri Vaishnav Institute of Architecture

### M.Des. in Interior Design

#### MDID 102 - ADVANCED SOFTWARES

COURSE CODE	Category	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
MDID 102	STUDIO	ADVANCED SOFTWARES	0	0	0	120	80	1	0	3	4

**Legends:** L - Lecture; T - Tutorial/Teacher Guided Student Activity; S – Studio ; C - Credit;

\***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

#### Course Educational Objectives (CEOs):


To give exposure to the latest digital tools used in the design field namely Rhinoceros, Grasshopper, Sketch Up, V-Ray, Key-Shot.


#### Course Outcomes (COs):


The students will be able to express, demonstrate their designs digitally and give a virtual experience to the clients with latest software and techniques.


#### Syllabus

Unit I	Archi CAD: 2D and 3D drafting with rendering techniques.	12 HRS
Unit II	Archi CAD: Building information modeling.	12 HRS
Unit III	V-Ray: Advance rendering Software to give professional look to the work.	12 HRS
Unit-IV	Rhinoceros: Learning the basics of latest version of Rhinoceros as a digital tool for developing product or Furniture with surrounding interior.	12 HRS
Unit V	Final project based on above software	12 HRS

  
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MDID 102	STUDIO	ADVANCED SOFTWARES	0	0	0	120	80	1	0	3	4


## References Books :

1. Architectural Rendering with 3ds Max and V-Ray: Photorealistic Visualization by Markus Kuhlo
2. Inside Rhinoceros 5 by Ron ChenG
3. Keyshot 3D Rendering by Jei Lee Jo

  
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## Shri Vaishnav Institute of Architecture M.Des. in Interior Design

### MDID 103 - MATERIAL EXPLORATION

COURSE CODE	Category	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
MDID 103	THEORY CUM STUDIO	MATERIAL EXPLORATION	60	20	20	60	40	1	1	2	4

**Legends:** L - Lecture; T - Tutorial/Teacher Guided Student Activity; S – Studio ; C - Credit;

**\*Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

#### Course Educational Objectives (CEOs):


The course intends to explore various new materials with respect to behavioral properties and applications in Interiors.

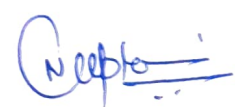
#### Course Outcomes (COs):

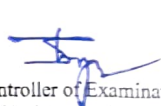
The students will be able to understand the use of combination of different materials. Research about new and innovative sustainable material. Understanding of the market research and current trends.


#### Syllabus

Unit I	Introduction to different types of natural and synthetic materials used in Interior Design.	08 HRS
Unit II	Application of the above according to their property and usability.	12 HRS
Unit III	Combination of different materials, natural and industrial such as wood and metal, wood and concrete, wood and Ferro cement etc	08 HRS

  
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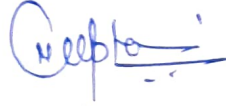
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MDID 103	THEORY CUM STUDIO	MATERIAL EXPLORATION	60	20	20	60	40	1	1	2	4


Unit-IV	Learning the process of inlay work with different materials. Understanding how different materials are being used in the Design field.	12 HRS
Unit V	Study of outdoor and infrastructural products used as substitutes in today's times.	8 HRS
Unit VI	Exploration of Innovative materials through research and hands on experience to design and develop a prototype with respect to Interiors.	12 HRS


### References Books :

1. Fundamentals of Modern Manufacturing: Materials, Processes, and Systems by Mikell P. Groover
2. Workshop Processes, Practices and Materials by Bruce J Black
3. Interior Materials & Surfaces: The Complete Guide by Helen Bowers
4. Interior Design Materials and Specifications by Lisa Godsey

  
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# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Architecture M.Des. in Interior Design

### MDID 104 - TRADITIONAL INTERIORS OF INDIA

COURSE CODE	Category	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
MDID 104	THEORY	TRADITIONAL INTERIORS OF INDIA	60	20	20	00	00	2	0	0	2

**Legends:** L - Lecture; T - Tutorial/Teacher Guided Student Activity; S – Studio ; C - Credit;

\***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.


#### Course Educational Objectives (CEOs):


The objective of this course enables the students to understand the components and principles that help to recognize and appreciate beauty of Indian traditional interiors

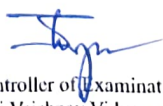
Forms spatial planning, Cultural aspects, Symbolism, Colour, Art, Materials of interior construction and design technique


#### Course Outcomes (COs):

The students will become aware about the rich Indian cultural heritage and understand importance of conserving the heritage in modern context.

  
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			END SEM	University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
MDID 104	THEORY	TRADITIONAL INTERIORS INDIA	OF	60	20	20	00	00	2	0	0	2


## Syllabus

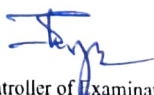
<b>Unit I</b>	<b>INTERIORS OF NORTHERN REGIONS OF INDIA</b> <ul style="list-style-type: none"> <li>Havelis of the Bohra Muslims.</li> <li>Geographical regions of Kashmir, House boats of Kashmir.</li> </ul>	<b>10 HRS</b>
<b>Unit II</b>	<b>INTERIORS OF WESTERN REGIONS OF INDIA</b> <ul style="list-style-type: none"> <li>Havelis of Rajasthan.</li> <li>Rural and urban Gujarat; Wooden Mansions (Havelis).</li> </ul>	<b>10 HRS</b>
<b>Unit III</b>	<b>INTERIORS OF SOUTHERN REGIONS OF INDIA</b> <ul style="list-style-type: none"> <li>Houses and palaces of Kerala, House boats of Kerala, Kerala Vasthu kala.</li> <li>Houses and palaces of Tamil Nadu, Chettinad Region, Agraharams.</li> <li>Houses and palaces of Andhra Pradesh, Telangana and Karnataka.</li> </ul>	<b>10 HRS</b>


## References Books :

1. Indian Interiors by Deidi von Schaewen and Sunil Sethi
2. India: Decoration, Interiors, Design by Henry Wilson
3. Patterns of India: A Journey Through Colors, Textiles, and the Vibrancy of Rajasthan by Christine Chitnis
4. Sahaj: Vernacular Furniture of Gujarat by Mitraja Bais, Jay Thakkar, Ben Cartwright Samrudha Dixit
5. Naqsh: the art of wood carving in traditional houses of Gujarat: a focus on ornamentation by Thakkar, Jay

  
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## Shri Vaishnav Institute of Architecture M.Des. in Interior Design

### MDID 105 - LIGHTING AND ILLUMINATION

COURSE CODE	Category	COURSE NAME	TEACHING & EVALUATION SCHEME								
			THEORY			STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
MDID 105	THEORY	LIGHTING AND ILLUMINATION	60	20	20	00	00	2	0	0	2

**Legends:** L - Lecture; T - Tutorial/Teacher Guided Student Activity; S – Studio ; C - Credit;

\***Teacher Assessment** shall be based following components: Quiz/Assignment/ Project/Participation in Class, given that no component shall exceed more than 10 marks.

#### Course Educational Objectives (CEOs):


To help the student understand day lighting and technology of artificial lighting.


#### Course Outcomes (COs):


Students will be able to understand different aspects of lighting its fittings and fixtures.


#### Syllabus

Unit I	LIGHTING DESIGN: Specification of illumination requirements for each given use area-Analysis of lighting quality - Designing illumination for complex project types, including analysis of lighting criteria, development of design concepts and complete documentation requirements.	06 HRS
Unit II	LIGHTING SYSTEMS, ENERGY CONSUMPTION & AUTOMATION: Illumination- light fixtures, methods of lighting, forms of lighting- indoor & outdoor. Lamps, fixtures and its types. Lighting systems, light pollution- energy consumption, light exposure. Lighting control systems for buildings. Smart lighting- minimizing energy usage, major techniques of smart lighting.	06 HRS

  
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MDID 105	THEORY	LIGHTING AND ILLUMINATION	60	20	20	00	00	2	0	0	2

Unit III	LUMEN METHOD OF LIGHTING DESIGN: Determine a lighting layout, design maintained illuminance, The utilization factor, spacing to height ratio, Lux level calculation.	06 HRS
Unit-IV	LIGHT as ART: Light art, Light sculptures. Examples of light art works by Chul Hyun Ahn, Dan Flavin, Olafur Eliasson, James Turrel, WAttraut Cooper, Bruce Munro, Dan Roosegaarde	06 HRS
Unit V	Study of natural light , LUX levels , light on working plane	06 HRS

### References Books :

1. Architectural Lighting Design by Gary R. Steffy
2. The Architecture Of Light: A textbook of procedures and practices for the Architect, Interior Designer and Lighting... by Sage Russell
3. Interior Lighting for Designers, 4th Edition by Gary Gordon
4. Human Centric Lighting by Stan Walerczy

### Project

To study a space and create design ideas through computer generated models and practical execution.

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