



# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Architecture

### M.Des. in Interior Design

#### MDID 201 - DESIGN II (Sustainable 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 201	STUDIO	DESIGN II (Sustainable 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 enhance the understanding of sustainability in space design and incorporation of factors of sustainability in techniques used and material application

#### 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 sustainability in interior design and they will also understand difference between conventional and sustainable interior design practices.

#### Syllabus

<b>Unit I</b>	Effective utilization of space, maximum use of space with minimum use of resources	<b>12 HRS</b>
<b>Unit II:</b>	Study of sustainable practices in interior design	<b>12 HRS</b>
<b>Unit III</b>	Major Design exercises: interior design of multi-use commercial spaces Typology: Interior design of shops, shopping malls, interior design of grocery merchants and other commercial interiors.	<b>24 HRS</b>

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<b>Review 1:</b>	<b>Documentation stage review</b>	<b>06 HRS</b>
<b>Unit-IV:</b>	Brief introduction of topic and group activity of identification of case study based on sustainable interiors	<b>06 HRS</b>
<b>Unit V:</b>	Case study and requirement finalization	<b>06 HRS</b>
<b>Review 2:</b>	<b>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 according to sustainability	<b>12 HRS</b>
<b>Review 3:</b>	<b>Design Development stages</b>	<b>06 HRS</b>
<b>Unit VIII:</b>	Minimalistic approach in designing and sustainable solutions in problem solving stage	<b>12 HRS</b>
<b>Unit IX:</b>	Elevations of all the walls, material selection	<b>12 HRS</b>
<b>Review 4:</b>	<b>Review on Finalization of drawing</b>	<b>06 HRS</b>
<b>Unit X:</b>	Life cycle assessment of every product being used in furniture	<b>12 HRA</b>
<b>Unit-XI:</b>	Integration of different services I.e. Air-conditioning, lighting, plumbing etc. considering sustainability as core issue.	<b>24 HRS</b>
	<b>Review 4: Pre Final</b>	<b>06 HRS</b>
	<b>Final submission</b>	<b>06 HRS</b>

## Text Books:

Time saver standards for interior design and space planning

## References:

1. Sustainable Commercial Interiors , Bonda Penny
2. Green Interior Design, Dennis Lori
3. Sustainable Construction Techniques 1, Martin Zeumer, Sebastian El Khouli, Viola Joh
4. Sustainable Design for Interior Environments, Winchip, Susan M

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MDID 201	STUDIO	DESIGN II (Sustainable Interiors)	0	0	0	240	160	0	0	12	12	

### Stages of Design Development:

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

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# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Architecture

### M.Des. in Interior Design

#### MDID 202 - ADVANCED FURNITURE DESIGN

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 202	STUDIO	ADVANCED FURNITURE DESIGN	0	0	0	120	80	0	0	4	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):

Objective of this course is to understand the design aspect of transformable and multipurpose furniture.

#### Course Outcomes (COs):

Study will learn the techniques of craftsmanship and sensitize the visual perception of furniture as a single form and design by considering the user-activity, structural concepts of furniture, materials and their essential attributes.

#### Syllabus

<b>Unit I</b>	Transformable, Multipurpose and Space Saving Furniture: Introduction to the innovation designs, different hard wares, the application and future development, cost & price and the important market of transformable space saving furniture.	<b>12 HRS</b>
<b>Unit II</b>	Understand the importance and the potential value of transformable multipurpose space saving seating arrangements in different places.	<b>12 HRS</b>
<b>Unit III</b>	Eco-Friendly Furniture: Use of natural and organic materials in designs. Recycling ocean plastic and rethinking consumer waste. Includes study of Ceramic wastes, landfills, eco foam and recycled fabric etc. to create eco-friendly furniture.	<b>12 HRS</b>

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MDID 202	STUDIO	ADVANCED FURNITURE DESIGN	0	0	0	120	80	0	0	4	4

<b>Unit-IV</b>	Wicker Furniture: Materials - products are woven from willow, rattan, reed or bamboo. Sometimes, synthetic fibers are also used. Study about the trends and techniques of Wicker and rattan furniture design.	<b>12 HRS</b>
<b>Unit V</b>	Case studies and literature studies to understand the ergonomics furniture. Design space saving furniture for a studio apartment and make a scaled model of same.	<b>12 HRS</b>

## References Books :

1. Designing furniture from concept to shop drawing: a practical guide by A fine woodworking Book
2. 1000 chairs By charlotte and Peter Fiell
3. Making it By Chris Lefteri
4. DIY Furniture a step by step guide Christopher Stuart
5. Design your own furniture by Woodworking books
6. Furniture – word styles from classical to contemporary by DK publishing, New York

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# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

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

### MDID 203 - ADVANCED SERVICES

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 203	THEORY CUM STUDIO	ADVANCED SERVICES	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):

Understanding all services & their components – Layout proposals with emphasis to ECBC guidelines for small as well as large scale projects.

#### Course Outcomes (COs):

After the completion of this course student will understand incorporating all the building services in an interior design project without compromising the aesthetics, they will also know the importance of energy efficiency in building interiors.

#### Syllabus

<b>Unit I</b>	HVAC - Ducting principles, layout schemes and placement of air conditioner outlets in central air conditioning systems, mechanical ventilation and its application	<b>12 HRS</b>
<b>Unit II</b>	Electrical system layout designs including materials, specifications and types.	<b>12 HRS</b>
<b>Unit III</b>	Escalator and elevators – Understandings of design considerations for refurbishment interior projects.	<b>08 HRS</b>

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<b>MDID 203</b>	<b>THEORY CUM STUDIO</b>	<b>ADVANCED SERVICES</b>	60	20	20	60	40	1	1	2	<b>4</b>

<b>Unit-IV</b>	Fire safety systems – firefighting provisions, types and applications. Fire retarding materials, fire rated doors etc.	<b>12 HRS</b>
<b>Unit V</b>	Introduction to principles of security, types of security systems, access control and its applications. CCTV layouts.	<b>8 HRS</b>
<b>Unit VI</b>	Building Automation System	<b>8 HRS</b>

### References Books :

1. Building services and equipment by Donald Hoff
2. Building Services Handbook by Fred Hall and Roger Greeno
3. Intelligent buildings: Design, Management and Operation by Derek Clements-Croome, Derek J. Croome
4. Intelligent Building Systems by Albert Ting-pat So, Wai Lok Chan

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# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

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

### MDID 204 - BARRIER FREE 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 204	THEORY	BARRIER FREE INTERIORS	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 develop the understanding of user-centered design, design for the vulnerable like the differently abled, the aged and children.

#### Course Outcomes (COs):

Students will understand the basics of space requirement and different provisions made for specially abled people.

#### Syllabus

<b>Unit I</b>	Basics of anthropometrics for specially abled person	<b>04 HRS</b>
<b>Unit II</b>	Design principles for barrier free interiors and accessibility for all	<b>06 HRS</b>
<b>Unit III</b>	Importance of signage in barrier free design	<b>04 HRS</b>
<b>Unit-IV</b>	Design standard for Access, Ramps, Handrails/grab bars	<b>04 HRS</b>
<b>Unit V</b>	Spaces design like bathrooms, living areas etc. for specially abled people.	<b>06 HRS</b>
<b>Unit VI</b>	Analysis of any project in which all above provisions are incorporate without compromising the aesthetics of interiors.	<b>12 HRS</b>

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			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*					
MDID 204	THEORY	BARRIER FREE INTERIORS	60	20	20	00	00	2	0	0	2	

## References Books :

1. Guidelines and Space Standards for Barrier Free Built Environment for Disabled and Elderly Persons – Central Public Works Department, Ministry of Urban Affairs & Employment, India, 1998
2. IS – 4963 (1987), Recommendations for buildings and facilities for Physically Handicapped
3. Barrier-Free Design: Principles Planning, Examples, by Oliver Heiss, Christine Degenhardt, Johann Ebe (Birkhauser Architecture, 2010)

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# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

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

### MDID 205 - RESEARCH METHODOLOGY

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 205	THEORY	RESEARCH METHODOLOGY	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 make the students to distinguish various theoretical ideologies influencing the philosophy and values of interior.

#### Course Outcomes (COs):

Research enables students to develop the skills and tools for solving a design problem with evidence in order to achieve creative excellence in the design of interior space from inception to the final solution.

#### Syllabus

<b>Unit I</b>	Introduction: Basic research issues and concepts- orientation to research process- types of research: historical, qualitative, co-relational, experimental, simulation and modeling, logical argumentation, case study and mixed methods- illustration using research samples	<b>06 HRS</b>
<b>Unit II</b>	Research process: Elements of Research process: finding a topic- writing an introduction- stating a purpose of study identifying key research questions and hypotheses- reviewing literature- using theory- defining, delimiting and stating the significance of the study, advanced methods and procedures for data collection and analysis- illustration using research samples.	<b>06 HRS</b>

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			THEORY				STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*					
MDID 205	THEORY	RESEARCH METHODOLOGY	60	20	20	00	00	2	0	0	2	

<b>Unit III</b>	Data collection: Library and archives- Internet: New information and the role of internet; finding and evaluating sources- misuse- test for reliability- ethics Methods of data collection- From primary sources: observation and recording, interviews structured and unstructured, questionnaire, open ended and close ended questions and the advantages, sampling- Problems encountered in collecting data from secondary sources	<b>12 HRS</b>
<b>Unit-IV</b>	Report writing: Research writing in general- Components: referencing- writing the bibliography - developing the outline- presentation; etc. Case studies illustrating how good research can be used from project inception to completion- review of research publications	<b>06 HRS</b>

## References Books:

1. Research Methods for Interior Design, Dana e. Veaux
2. Wayne C Booth; Joseph M Williams; Gregory G. Colomb; The Craft of Research, 2nd Edition; Chicago guides to writing, editing and publishing;
3. Iain Borden and Kaaterina Ruedi; The Dissertation: An Architecture Student's Handbook; Architectural Press; 2000
4. Ranjith Kumar; Research Methodology- A step by step guide for beginners; Sage Publications; 2005

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# Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

## Shri Vaishnav Institute of Architecture

### M.Des. in Interior Design

#### Generic Elective I

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			THEORY			STUDIO		L	T	S	CRE DITS
			END SEM University Exam	Two Term Exam	Sessional	End Viva	Internal Assessment*				
	THEORY	Generic Elective I	60	20	20	00	00	3	0	0	3

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