

# **Shri Vaishnav Institute of Architecture**

## **B.** Des in Interior Design

## **BDNI601 - INTERIOR DESIGN STUDIO -IV**

	COURSENAME	TEACHING & EVALUATION SCHEME									
		THEORY			PRACTICAL		L	T	s	CREDITS	
COURSE CODE		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDNI601	INTERIOR DESIGN STUDIO - IV				240	160			8	8	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

#### Course Educational Objectives (CEOs):-

CEO 1	To introduce the basics of designing for Hospitality interiors and to develop
	skills required for the same.
CEO 2	This course is intended to provide skills for detailed designing of interior spaces and furnitures etc.

## Course Outcomes (COs):-

CO1	To understand and analyse projects of larger scale with a theme.
CO2	To develop creative conceptual visualization, hand skill building, and the process of design.
CO3	To explore and create spatial design with respect to hospitality standards.

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



	E COURSE NAME	TEACHING & EVALUATION SCHEME									
		THEORY			PRACTICAL		L	Т	S	CREDITS	
COURSE CODE		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDNI601	INTERIOR DESIGN STUDIO - IV				240	160			8	8	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## **Syllabus**

#### 1. HOTELS

Hotels, five-star, seven-star hotel interiors, analysis, design considerations, planning and services, aesthetics. Different types of functional areas rooms, suits, banquet halls, conference rooms, restaurants, bars, gym, game zone spaces.

Mechanical and electrical service standards. Contemporary and other theme-based interiors.

**64 HRS** 

## 2. PERFORMING ART SPACES

Theaters, Auditoriums, convention centers, performing art spaces.

Standards, stage, green areas, seating arrangement. Acoustical, electrical, mechanical services. Wall paneling, furniture, projection room, floor, false ceiling details etc.

**64 HRS** 

Note: One major exercise and two minor time problems should be given. Internal marking shall be done in stages and project wise:

Schematic layouts

Final layout

Sectional elevations

Designs & details

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		THEORY			PRACTICAL		L	T	s	CREDITS	
COURSE CODE		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDNI601	INTERIOR DESIGN STUDIO - IV				240	160			8	8	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## **Suggested Books References:**

- 1. Time-Saver Standards for Interior Design and Space Planning, Joseph De Chiara, Julius Panero,
- 2. Space Planning for residential Interiors, Book by Mary Lou Bakker.
- 3. Designs for 20th century Interiors Fiona Leolie, VH Publications, London.

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## **Shri Vaishnav Institute of Architecture**

## **B.** Des in Interior Design

## **BDNI602 - ENVIRONMENTAL SCIENCE (CLIMATOLOGY AND ACOUSTICS)**

		TEACHING & EVALUATION SCHEME									
		THEOR	Y		PRACTICAL		L	Т	S	CRED ITS	
COURSE CODE		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDNI602	ENVIRONMENTAL SCIENCE (CLIMATOLOGY AND ACOUSTICS)	60	20	20	60	40	2		2	4	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## Course Educational Objectives (CEOs):-

CEO1	To impart the basic knowledge of environmental sciences and human comfort.
CEO2	To implement the acoustics in the space with aesthetic fulfilments.

## **Course Outcomes (COs): -**

CO1	Understanding the implementations of climatology in built environment.
CO2	Understanding use & application of materials in different climates.
CO3	Understanding the principles of acoustic design in interiors using real time applications

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	COURSE NAME CODE	THEOR	Y		PRACTICAL		L	T	S	CRED ITS	
COURSE		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDNI602	ENVIRONMENTAL SCIENCE (CLIMATOLOGY AND ACOUSTICS)	60	20	20	60	40	2		2	4	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## **Syllabus**

#### UNIT1- PRINCIPALS OF THERMAL COMFORT

**12 HRS** 

Understanding Elements of Climate, Global Patterns and Classification of regions, Micro Climate and Thermal comfort factors, Concept of Bioclimatic chart, Effective Temperature and the applications. Thermal Quantities, Heat exchange of buildings.

#### **UNIT2-** PRINCIPALS OF AIR MOVEMENT

**13 HRS** 

Ventilation and air movement around buildings, design of opening and shading devices. Understanding use & application of materials in different climates Energy Efficient Rating Systems and its applications in Interior Design

#### **UNIT3-** INTRODUCTION TO ACOUSTICS

**13 HRS** 

Definition, Theory of sound generation, Terms related to acoustics, transmission – reception of sound — sound waves, frequency, intensity, wavelength – measurement of sound.

Characteristics of speech – Making of sound – Human ear characteristics – Behavior of sound in enclosed Space, Reverberation, RT, Optimum reverberation, simple exercise using Sabine's formula.

#### **UNIT4-** ACOUSTICS AND NOISE CONTROL

**13 HRS** 

Sound absorption, absorption co-efficient and their measurements – sound amplification and sound reinforcement. sound absorbing materials – sound insulation – materials .

Noise control – effect on human behavior, noise control materials and techniques.

#### **UNIT5-** APPLICATION IN BUILDINGS

**13 HRS** 

Detailing out the designing of Rooms, lecture halls, broadcasting studio, recording studio. auditorium, theatres.

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BDNI602	ENVIRONMENTAL SCIENCE (CLIMATOLOGY AND ACOUSTICS)	60	20	20	60	40	2		2	4

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

- 1. Peter Templeton & Saunders Detailing for architectural acoustics Architectural press, 1994.
- 2. Koenigsberger, O.H. and Others. Manual of Tropical Housing and Building. Orient Longman, Chennai, 2003.
- 3. Olgyay and Olgyay. Solar Control and Shading Devices.

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## **Shri Vaishnav Institute of Architecture**

## **B.** Des in Interior Design

#### **BDNI 603 - INTERIOR ESTIMATION AND SPECIFICATION**

COURSE COURSE		TEACHING & EVALUATION SCHEME									
		THEORY			PRACTICAL		L	T	S	CRED ITS	
	COURSE NAME	END SEM University Exam	Two Term Exam	her	END SEM University Exam	Teachers Assessment*					
BDNI 603	Interior Estimation And Specification	60	20	20			2			2	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## Course Educational Objectives (CEOs):-

CEO1	The subject is intended to make students aware about the financial aspects of the projects.

#### Course Outcomes (COs): -.

CO1	Understand Techniques of estimating and costing.
CO2	Understand writing the specification related to interior materials.
CO3	Understand the calculations in real time projects.

## **SYLLABUS**

#### **UNIT I- INTRODUCTION TO ESTIMATION**

6 HRS

definition, purpose, types of estimates, and procedure for Estimating the cost of work (project or any furniture, product etc)

#### **UNIT II- METHOD OF RATE ANALYSIS**

6 HRS

Rate Analysis – definition, method of preparation, quantity &labor estimate for woodwork, steelwork, Aluminum work, glass & its rate for different, thickness & sections, finishing.

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		THEORY			PRACTICAL		L	T	s	CRED ITS
		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BDNI 603	Interior Estimation And Specification	60	20	20			2			2

 $\label{lem:Legends: L-Lecture; T-Tutorial/Teacher Guided Student Activity; P-Practical; C-Credit;$ 

#### **UNIT III-** DETAILED ESTIMATE

6 HRS

Detailed estimate preparation, methodology of preparation, abstract of Estimate, labor charges, bill of quantities, different methods of estimate for interior design works, methods of measurement of works.

#### **UNIT IV-** COSTING OF ACCESSORIES

8 HRS

Electrical fitting, Paints and varnishes, Sanitary and Plumbing, paneling and partitions etc.

#### **UNIT V- INTRODUCTION TO SPECIFICATION**

6 HRS

Specification – Definition, purpose, procedure for writing specification for the purpose of calling tenders, types of specification. Specification for different item related to interior design project.

- 1. M. Chakraborti, Estimation, Costing, Specification and Valuation in Civil engineering.
- 2. Dutta, Estimating and Costing, S. Dutta and Co., Lucknow 1983

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

## **BDNI 604 – PROJECT MANAGEMENT**

COURSE CODE	COURSE NAME	TEACHING & EVALUATION SCHEME								
		THEORY			PRACTICAL		L	Т	S	CRED ITS
		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BDNI 604	PROJECT MANAGEMENT	60	20	20			2			2

 $\label{lem:Legends: L-Lecture; T-Tutorial/Teacher Guided Student Activity; P-Practical; C-Credit;$ 

## **Course Educational Objectives (CEOs):-**

CEO1	To introduce the importance of project management in the field of interior design.

## Course Outcomes (COs): -.

CO1	Sensitize the students in preparing finer design details required for a project
CO2	Prepare working drawings for a project and resolve complex aspects in the buildings with appropriate materials and design details.
CO3	Understand the stage wise progress of working on site.

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



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		THEORY			PRACTICAL		L	Т	S	CRED ITS
		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BDNI 604	PROJECT MANAGEMENT	60	20	20			2			2

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## **Syllabus**

UNIT I: 6 HRS

Introduction: History; Stages involved; Project life cycle analysis; Role & responsibilities of the project manager; Areas of project management; Co-ordination of various teams involved in the project; Scheduling; Classification; Methods; Controlling & Lifecycle curves; Work breakdown structure.

UNIT II: 6 HRS

Project Management through Networks: Network techniques; Interrelationship of events & activities; Dummy activities; Types of networks; Rules of drawing a network; Fulkerson's rule.

UNIT III: 6 HRS

Project management techniques: Program Evaluation & Review Technique; & Critical Path Method; Time Estimates; Networking with PERT models; Probability analysis.

UNIT IV: 6 HRS

Precedence Networks for Design Projects: Representation of Nodes; Logic of Precedence diagram; Rules for drawing; Forward pass & backwards pass calculations.

UNIT V: 8 HRS

Time-Cost Relationship: Total Project Costs; Cost curve; Optimization of Cost through Network Contraction & steps involved; Cost control & cash flow; Case studies- Application of knowledge & Understanding of project management tools.

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BDNI 604	PROJECT MANAGEMENT	60	20	20			2			2	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

- 1. The Interior Design Business Handbook: A Complete Guide to Profitability ~ Mary V. Knackstedt
- 2. Architect's Essentials of Negotiation (The Architect's Essentials of Professional Practice) Becoming an Interior Designer, Piotrowski, Wiley Publications.

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## **Shri Vaishnav Institute of Architecture**

## **B.** Des in Interior Design

## **BDNI 605 - DISSERTATION**

COURSE CODE	COURSE NAME	TEACHING & EVALUATION SCHEME								
		THEORY			PRACTICAL		L	T	S	CRED ITS
		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
BDNI605	DISSERTATION				175	125			6	6

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## Course Educational Objectives (CEOs):-

CEO	To introduce the students to research in design and its significance in the interior
	practice.

## **Course Outcomes (COs): -**

CO1	Understand the types of research in design and the process of formulating a research
	plan.
CO2	Introduce the various methods of research in design, their relative advantages and
	disadvantages and their applications.
CO3	Understand the technical writing and presenting a research report.

## **Syllabus**

#### **UNIT I:** Introduction to research:

#### 15HRS

Introduction to "research" and its significance in design – meaning of research. Relationship between design and research areas of research in design, qualitative and quantitative paradigms. Need & significance; Objectives; Characteristics; Ethics; Concepts of theory; Research methods in design.

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Vishwavidyalaya,Indore	Vishwavidyalaya,Indore		

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		END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*					
BDNI605	DISSERTATION				175	125			6	6	

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## **UNIT II:** Research Process:

**20 HRS** 

Types of Research; Research methods & Research methodology; Research Process; Review of literature, research statement; Research design – need, components, considerations. Literature Study and Research: Significance of literature study in research, different sources of information such as books, journals, newspapers, internet, magazines, etc. Referencing and documenting the bibliography.

#### **UNIT III:** Data Collection & Sampling:

**25 HRS** 

Methods of Research in design, Interview Techniques: Questionnaires /Face to face Interviews / Internet survey. Designing a Questionnaire / Interview schedule. Visual Techniques: Observations (participant / nonparticipant / direct), activity mapping, accession/erosion trace observations, cognitive maps, etc. Content Analysis: Secondary data analysis. Understanding the relative advantages, disadvantages and application of various methods mentioned above and choosing a method appropriate for a research to achieve its objectives. Sampling - need, significance, methods, classification, characteristics, determining sample size, time, event sampling etc.

#### **UNIT IV:** Data Analysis:

**18 HRS** 

Overview of measuring & scaling techniques; Processing & analysis of data - descriptive & inferential; graphical representation of analysis.

#### **UNIT V:** The report, Paper & proposal writing:

**18 HRS** 

Purpose, characteristics, guidelines, steps, format, structure, contents, presentation, referencing style, ethical issues: plagiarism etc.

Candidates must submit three copies of the report duly signed and endorsed by the Principal and the Guide to their respective Institutes.

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		TEACHING & EVALUATION SCHEME										
		THEOR	Y		PRACT	TICAL L		T	S	CRED ITS		
COURSE CODE	COURSE NAME	END SEM University Exam	Two Term Exam	hers	END SEM University Exam	Teachers Assessment*						
BDNI605	DISSERTATION				175	125			6	6		

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

- 1. Design Research: Methods and Perspectives by Brenda Laurel
- 2. Dissertation An Architectural Student's Handbook by Iain Borden and Katerina Ruedi
- 3. The Dissertation Journey: A Practical and Comprehensive Guide to Planning, Writing, and Defending Your Dissertation... by Carol M. Roberts
- 4. Demystifying Dissertation Writing: A Streamlined Process from Choice of Topic to Final Text by Peg Boyle Single and Richard M. Reis

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## **Shri Vaishnav Institute of Architecture**

# **B.** Des in Interior Design

## **BDNI 606 - SEMESTER TOUR PROJECT**

		TEACH	ING & EV	ALUAT	TON SCH					
		THEORY PRACTICAL						T	s	CRED ITS
COURSE CODE	COURSE NAME	END SEM University Exam	Two Term Exam	hers	END SEM University Exam	Teachers Assessment*				
BDNI 606	SEMESTER TOUR PROJECT				60	40			1	1

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## **Course Educational Objectives (CEOs)**

CEO To understand and experience work of different designers.	
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## **Course Outcomes (COs)**

CO1	Documentation of tour will help student to understand various styles.
CO2	Learnings from great designer's work of different regions.
CO3	Understanding the on site implementations of project.

Semester Break Tours will be conducted in winter semester vacations, documentation of tour will be done by the students.

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## **B.** Des in Interior Design

		TEACHING & EVALUATION SCHEME									
		THEORY			PRACTICAL		L	T	S	CREDITS	
COURSE CODE	COURSE NAME	ersity Ex Ferm Ex hers		END SEM University Exam	Teachers Assessment*						
	ELECTIVE-VI										
BDNI 608(1)	DESIGN AS LUXURY					100			2	2	
BDNI 608(2)	COLLAGES AND MONTAGES					100					
BDNI 608(3)	SIGNAGE AND GRAPHICS										

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

## Course Educational Objectives (CEOs):-

(CEOs)	Students can select the subject of their interest from the list of Pool electives provided for B.des
	students. They have to perform the exercises planned in the particular, studies can also be conducted
	in the form of survey, case studies, documentation etc.

## **Course Outcomes (COs):**

able to demonstrate following
rt the knowledge to develop art
dents.
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		TEACHING & EVALUATION SCHEME								
		THEORY			PRACTICAL		L	T	S	CREDITS
COURSE CODE	COURSE NAME	END SEM University Exam	Two Term Exam	Teachers Assessment*	END SEM University Exam	Teachers Assessment*				
	ELECTIVE-IV									
BDNI 608(1)	DESIGN AS LUXURY					100			2	
BDNI 608(2)	COLLAGES AND MONTAGES					100			-	2
BDNI 608(3)	SIGNAGE AND GRAPHICS									

Legends: L - Lecture; T - Tutorial/Teacher Guided Student Activity; P - Practical; C - Credit;

#### **BDNI 608(1) DESIGN AS LUXURY**

To understand the scope and definition of luxury as a lifestyle need. To be able to understand and connect to the luxury products conceptualization and development process. To develop an idea of 'Indianness' in the luxury brand market. To redefine the idea of craftsmanship in India to global acceptance as luxury products.

#### **BDNI 608(2) COLLAGES AND MONTAGES**

Students will learn a brief history of collages and montages; Students will learn to explore using techniques of collages and montages. Brief History of collages & montages; Different types of collages; Different types of montages; Collages and Montages as a tool to represent ideas.

## BDNI 608(3) SIGNAGE AND GRAPHICS

The student will learn the importance of Graphic Signage, understand the relevance, able to explore and learn the composition of various typology Brief History of Signage, Symbol, Signs & Pictograms, Principles of Compositions in graphic design (Importance of Visual Balance & colours in signage), Different types of Signage – Indoor & Outdoor.

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