

Ref.No. SUK/BOS/ 293

Date:21/05/2024

To,

The Principals,

All Concerned Affiliated Colleges / Institutions.

Shivaji University, Kolhapur.

Subject : Regarding syllabi of Bachelor of Interior Design. Part - III under the  
Faculty of Inter- Disciplinary Studies.

Sir/Madam,

With reference to the subject, mentioned above, I am directed to inform you that the university authorities have accepted and granted approval to the syllabi of Bachelor of Interior Design. Part - III under the Faculty of Inter-Disciplinary Studies.

This syllabi and equivalence shall be implemented from the academic year 2024-2025 onwards. A soft copy containing the syllabi is attached herewith and it is also available on university website [www.unishivaji.ac.in](http://www.unishivaji.ac.in). (Students / Online Syllabus)

The question papers on the pre-revised syllabi of above mentioned course will be set for the examinations to be held in October /November 2024 & March/April 2025. These chances are available for repeater students, if any.

You are, therefore, requested to bring this to the notice of all students and teachers concerned.

Thanking you,

Yours faithfully,

  
Dr. S.M.Kubal  
(Dy Registrar)

Copy to:

1	Director Board of Evaluation and Examination	9	Centre for Distance Education
2	The Dean, Faculty of IDS	10	Computer Centre
3	The Chairman, Respective Board of Studies	11	Affiliation Section (U.G.)
4	B.A.,B.Com., B.Sc. Exam	12	Affiliation Section (P.G.)
5	Eligibility Section	13	P.G.Admission Section
6	O.E. I, II, III, IV Section	14	Appointment Section
7	Dy.registrar (On Exam)	15	P.G.Seminar Section
8	Dy.registrar (Pre. Exam)	16	I.T.cell

# **SHIVAJI UNIVERSITY, KOLHAPUR.**



**College of Non – Conventional Vocational  
Courses for Women.  
Under the faculty of Interdisciplinary Studies**

**CBCS Syllabus for  
Bachelor of Interior Design  
as per NEP 2020  
Bachelor of Interior Design Part- III- Sem V  
& VI Sem  
Semester Pattern**

**Syllabus to be implemented from Academic year  
2024-2025**

BID Part III Semester V – Duration: 3 Months														
Sr. No.	Teaching scheme					Evaluation scheme								
	Course	No. Of Lectures Per week		Hours (T + P)	Credits	Theory		Internal Marks		External Marks		Total Marks	Exam duration (Hrs.)	
		T	P			Max	Min	Max	Min	Max	Min		T	P
1.	Interior Design V	-	10	7.5	8	100	40	50	20	50	20	200	18	12.5
2.	Working Drawing I	-	8	6.0	6	-	-	50	20	50	20	100	-	12.5
3.	Interior Services III	4	-	3.0	3	50	20	25	10	-	-	75	2	-
4.	Estimation & Costing	4	-	3.0	4	50	20	25	10	-	-	75	2	-
5.	Contemporary Interior Design	4	-	3.0	3	50	20	25	10	-	-	75	2	-
6.	Design Elective I	3	-	2.25	2	-	-	50	20	50	20	100	-	12.5
7.	Furniture Construction & Detailing	3	-	2.25	2	-	-	50	20	50	20	100	-	12.5
8.	SEC V				1							50		
9.	VBC V				1									
		18	18	36	30	250		275		200		775	-	-

BID Part III Semester VI – Duration: 3 Months														
Sr. No.	Teaching scheme					Evaluation scheme								
	Course	No. Of Lectures Per week		Hours (T + P)	Credits	Theory		Internal Marks		External Marks		Total Marks	Exam duration (Hrs.)	
		T	P			Max	Min	Max	Min	Max	Min		T	P
1.	Professional Training	-	-	-	28	-	-	300	120	300	120	600	-	12.5
2.	SEC VI				1							50		
3.	VBC VI				1									
		-	-	-	30	-	-	300	-	300	-	650	-	-

## Subject Syllabus

### Third Year

#### Semester V

##### 1. Interior Design – V (Core)

**Credits 8**

Lecture / Studio Hours – 10 periods per week

Total work hours per semester = 10 x 15 = 150 periods

Contents:

One Interior Design problem of complete spaces with creative outlook (Hotels, Resorts, Hospitals, Educational buildings etc. – service industries)

Drawings include – presentation drawings, Enlarge detail drawings, Service layout drawings, views etc to understand clearly concept of design.

Area of Interior project should be around 300.00 sq.mt. minimum

One time bound problem of Hotels, Resorts, Hospitals etc. – Service industries.

Book Reference:

Sr.No.	Reference Book Names	Authors
1.	Fundamentals of interior design.	Ching, Francis D.K
2.	Space design.	Jeong, Kwang Young.
3.	Time Saver Standards for Interior Design & Space	Chiara
4.	Hotel Design	Riewoldt, Otta
5.	Hotels, Resorts & Restaurants : Planning,	Negi, Jagmohan
6.	Hospitals: facilities planning and management	Kunders, G. D.

##### 2. Working Drawing – I (Non-Core)

**Credits 6**

Lecture / Studio Hours – 8 periods per week

Total work hours per semester = 8 x 15 = 120 periods

Contents:

Working drawing & details of Interior Design II project. All furniture, flooring, ceiling, electrical, water supply, drainage layouts with details. Details of furniture, doors, windows etc. of all types with specifications. The drawings shall be sufficient to understand the design & fulfill the details required for estimation, tender form.

Book Reference:

Sr.No.	Reference Book Names	Authors
1.	Interior Design Reference + Specification Book	Grimley, Chris
2.	Metric Handbook Planning & Design Data	Adler, David

3.	Design & Detail	Iloyd, Meryl
4.	Interior Graphic & Design Standards	Reznikoff, S. C.

### 3. Interior Services – III (Non-Core)

**Credits 3**

Lecture / Studio Hours – 4 periods per week

Total work hours per semester = 4 x 15 = 60 periods

Contents:

Air Conditioning : Functions – temp control, ventilation, dust control.

A.C. systems – window unit, vertical/horizontal package units, split systems, ducting installation, precaution to prevent sound travel & water outlets.

Acoustics: Sound, Sound transmission, acoustics in enclosed spaces ,reflection, reverberation, sound absorption, Noise & Noise control – Noise ,Absorption, Acoustical materials.

Landscaping : Introduction – Services for landscaping- Hardscape & Softscape,Maintenance of landscape, Landscape drawings, symbols and sheet layouts.

Book Reference:

Sr.No.	Reference Book Names	Authors
1.	Landscape Graphics: Plan, Section, and Perspective Drawing of Landscape Spaces	Reid, Grant W. Fasla
2.	Building Services and Equipment Vol. I	Hall, Frederick E.
3.	Building Interiors,Plants& Automation	Snyder, Stuart
4.	Building Systems for Interior Designers	Binggel, Croky
5.	Noise Pollution and Its Control	Kudesia, V. P.

### 4.Estimation & Costing – I (Non-Core)

**Credits 4**

Lecture / Studio Hours – 4 periods per week

Total work hours per semester = 4 x 15 = 60 periods

Contents:

Estimate & Estimation

1. Quantity aspect                      2. Quality aspect

Types estimate – Approximate, detailed.

Principle of approximate methods of costing.

Approximate methods of costing of various items.

Prepare of rate analysis

Factors affecting rate analysis

Importance of rate analysis

Estimation of rate analysis

Schedule of rates

Method of taking ou Quantity

Rate analysis for different I.D. items

General rates for measurement

Studio Work:

Preparation of measurement rates & Quantities of different materials.

Specifications

Objectives of specifications

Importance of specifications

Types of specifications

Brief specifications

Detailed specifications

Principles of writing specification Specification of different items

Abstract of work

Studio work – Estimation of residential interior scheme, minimum one multi itemed project based on Interior Design II

Book Reference:

Sr.No.	Reference Book Names	Authors
1.	Interior Design Reference + Specification Book	Grimley, Chris
2.	Estimating Costing and Valuation (Professional	Rangwala, S.C.
3.	Estimating & Costing in Civil Engineering Theory	Dutta, B. N.

## **5. Contemporary Interior Design (Non-Core)**

**Credits 3**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

Early Pioneers

Art nouveau, the post Industrial era works of Charles Renée Mackintosh, Antonio Gaudi, Gerrit Rietveld and their expressionist interior design.

Bauhaus And Post War Modernists

Walter Gropius/ Bauhaus, De Stijl, Mies Van Der Rohe, Art Deco, Postwar Modernism.

Modernism

Interiors of Le Corbusier, Frank Lloyd Wright, Louis Khan, Kenzo Tange and Oscar Niemeyer

International Style

The works of Alvar Alto, Phillip Johnson, Charles and Ray Eames , Eero Saarinen, Eero Arnio, Arne Jacobsen.

Post Modernism And Minimalism

Interiors of Zaha Hadid, Santiago Calatrava, Frank Gehry and Peter Eisenmann.

Book Reference:

Sr.No.	Reference Book Names	Authors
1.	Frank Lloyd Wright's Interiors	Heinz, Thomas A.
2.	Contemporary Painted Furniture	Cargill, Katrin
3.	Authentic Art Deco Interiors & Furniture in Full	Druesedow, Jean L.
4.	Contemporary Details	Niesewand, Nonie
5.	Architecture of Minimalism	Cerver, Francisco

## 6. Design Elective I

(Non-Core)

Credits 2

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

Contents:

To study a particular subject of students liking in greater details. Students have to choose any one subject from the following & submit data collection & given assignment for the same. Any one.

### a)Materials and Finishes

Introduction to various materials - products

Bamboo, cane – properties – process – application Material and workmanship, specifications

technology- innovation in developing new products, accessories etc.

Terracotta art , craft, origin – application – process - properties and application – ceramic – definition – traditional ceramics –earthenware, stoneware, porcelain – history – evolution – properties – process – application as products and in interior spaces –accessories – mosaic – mosaic art – products.

Metals – definition –types - workability – properties – advantages – its application – coating and finishes –metallic finishes – its process – combination of metal with other materials for spaces and products – innovation and role of technology in innovative products and designs – hardware, accessories and basic tools required for designing small products and accessories –

fittings – basic profiles etc. – resin a raw material for various products – its workability – methods and designs – aesthetic component - different resin products – process- properties – advantages- disadvantages.

## **b) Adaptive reuse and recycling**

### **Need for Adaptive Reuse**

Cultural inheritance – heritage buildings and old structures – ascertaining the structural stability – estimation of the prolonged life of the building – strategies of adaptive reuse – investigation into material finishes etc.

### **Need for Recycling Of Materials**

The logic behind recycling – recycling of steel, wood, glass etc - estimation of the quality of recycled timber – criteria for recycling of steel, glass etc.

### **Concept of Sustainability**

Earth summit declaration – definition of sustainability – economic, social and environmental issues – green rating of buildings – criteria for LEED rating.

### **Recycling of Waste Water**

Sullage and sewage – techniques of water purification for sullage – treatment plant for sewage – techniques of biological and chemical purification.

### **Need for Conservation**

Architectural Conservation – conservation of heritage and important buildings – levels of intervention – structural, construction related, finishes etc. Revival of old building techniques and finishes.

### **Book Reference:**

<b>Sr.No.</b>	<b>Reference Book Names</b>	<b>Authors</b>
1	Materials : Manual & New Possibilities	Kottas, Dimitris
2	Recycled as Restaurants Case Studies in Adaptive reuse	Croft, Virginia
3	Energy Efficient Architecture Basics for Planning	Gonzalo, Roberto

## **7. Furniture Construction and Detailing (Non-Core)**

**Credits 2**

Lecture / Studio Hours – **3 periods per week**

Total work hours per semester = **3 x 15 = 45 periods**

### **Contents:**

#### **Introduction to Wood And Substitute**

Wood as a building material: Identification, selection, application, types of wood, commercial Classification, nomenclature, structure Anatomy and Ultra structure, Conversion figure and natural defects, availability of wood products, wood based panels such as plywood , MDF, HDF, Particle board , pre laminated boards etc .

### The Basics of Furniture Construction & Tools

Measurement and measurement systems, Furniture Construction: Drawers, Cadenza, dining chairs, sofa, settee, cots detail. Preparation for finishing, Furniture Materials Specifying timber, finishes etc .

Detailed construction drawings & explaining construction and material finishes.

### Plywood Construction Techniques

Plywood as a building material, Layout techniques and machining plans. Fabrication techniques - stapling, gluing.

Furniture Joinery - screw joinery, nail joinery, Mortise & tenon joints, Dovetail joints, Dowel joints, Edge joints.

### Modular Kitchens

Modular kitchens, components basis of Construction involving, layouts, carcass, hardware selection, fixing details finishes and special types such as tall units, grain trolleys, and carousels fold outs etc.

### Book Reference:

<b>Sr.No.</b>	<b>Reference Book Names</b>	<b>Authors</b>
1	Custom Furniture Source Book A Guide to 125 Craftsmen	Pierce, Kerry
2	Basic Principles Of Kitchen Design	Aggarwal, Ravi
3	Basic Guide to Model making	Sutherland, Martha
4	Hardware Style	Le Van, Marthe

## **Semester-VI**

### **8. Internship training for Period of 15 weeks. (Core)**

**Credits 28**

Internship experience of 90 days full time working in the professional Interior Designers / Architects / Interior Office, duly enclosed by the Head of the Department.

The candidates shall have to produce to the college the certificate, documents of completing the internship from the firm where they worked during training, site visit details, documents, drawings, photographs, bills etc. duly signed by trainer from time to time.