SHRI VAISHNAV INSTITUTE OF ARCHITECTURE , INDORE

COURSE CONTENT FOR B.Des.(INTERIOR) & B.Des + M.Des (INTERIOR)

2017- 2021

SEMESTER –I, YEAR – I

BASIC DESIGN STUDIO

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION									TOTAL MARKS	EXAM DURATION HRS
								THEORY					TOTAL	STUDIO		TOTAL		
								MST	MST	AVG MST	SS	ESUE		IA	EV			
1	BDES 101	STUDIO	BASIC DESIGN STUDIO	-	-	8	8	0	0	0	0	0	0	150	150	300	300	

INTRODUCTION

The objective of this course is to make students understand the various aspects such as spatial quality, design vocabulary, design principles and design process related to the design of interiors.

GUIDELINES

Emphasis should be given on various aspects such as Design elements, principals affecting interior space. Understanding the process involved in design including analysis, synthesis and evaluation.

CONTENTS

1. ELEMENTS OF DESIGN

Introduction to the elements of design Form – point, line, volume, shape, texture &color , shades , compositions, patterns.

2. PRINCIPLES OF DESIGN

Balance , symmetry , repetitions , scale , proportions , unity , rhythm , datum, alignment , contrast and space , movement , emphasis .

3. SPACES

Introduction to spaces, interiors, exteriors, compositions with mass and void, openings within the planes, positive negative spaces.

4. HUMAN MEASURMENTS& PROPORTIONS

Study of basic human measurements , in terms of scale and proportions , different functional anthropometrics , observation and analysis of different human activities and requirements of spatial design.

5. ANALYSIS AND DESIGN PROCESS

Exercises for a specific area , analysis, synthesis and design evolution , understanding the user and the function, spatial organization , . Human proportions, scale , arrangements of zones and design control. Circulation , transition of spaces .
Such as a small space arrangement for a single user for any specific activity.

REFERENCE BOOKS

1. Francis. D. K. Ching, Interior design Illustrated, Van Nostrand Reinhold
2. John. F. Pile, Interior Design, Harry Abrams Inc.
3. Sam. F. Miller, Design process – a primer for Architectural and Interior Design, Van Nostrand Reinhold.
4. Gary Gordon, Interior lighting for designers, John Wiley & Sons Inc.

MATERIALS AND CONSTRUCTION - I

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION									TOTAL MARKS	EXAM DURATION HRS
								THEORY					TOTAL	STUDIO		TOTAL		
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2	BDES 102	THEORY CUM STUDIO	MATERIALS AND CONSTRUCTION - I	1	1	4	6	20	20	20	20	50	90	60	50	110	200	3

INTRODUCTION

To familiarize the students of Interior Design with the basic components of a built form and its various materials and technologies.

GUIDELINES

Elementary knowledge of the basic components of the built form .

CONTENTS

1. **MASONRY**

Different types - Stone walls – random rubble, coursed rubble, square rubble, polygonal rubble & Ashlars etc
Brick masonry -Types of bonds - English Bond, single& double Flemish bond, header bond, stretcher bond, rat trap bond, ornamental bonding.`

2. **BUILDING COMPONENTS DETAILING**

- Foundation – brick footing, stone footing & R.C.C column footing
- Superstructure- Plinth , walls , openings ,brickwork ,corbelling , piers ,sill, lintel, windows & sunshade devices
- Flat R.C.C roof with weathering course, parapet & coping details

3. **TILED ROOFS**

Types of Pitched roofs, joinery and constructional details , covering materials and techniques, Mangalore tiles, pan tiles etc. .

4. **STRUCTURAL SYSTEMS**

Basic types of Structures –Difference & Components of a load bearing and framed structure, basic understanding of R.C.C columns , beams and slab elements.

MATERIALS –WOOD

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

RFERENCE BOOKS

1. S. C. Rangwala - Engineering materials - Charotar Publishing, Anand
2. Francis D. K. Ching - Building Construction Illustrated, VNR, 1975,
3. Arora&Bindra - Building Construction
4. W.B.Mckay –Building construction Vol1 –Longmans, UK 1981
5. W.B.Mckay –Building construction Vol3 –Longmans, UK 1981

REPRESENTATION TECHNIQUES - I

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION									TOTAL MARKS	EXAM DURATION HRS
								THEORY					TOTAL	STUDIO		TOTAL		
								M ST	M ST	AVG MST	SS	ESUE		IA	EV			
3	BDES 103	THEORY CUM STUDIO	REPRESENTATION TECHNIQUE - I	1	1	2	4	20	20	20	20	50	90	60	50	110	200	3

INTRODUCTION

To make students improve their sketching skills & drawing abilities.

GUIDELINES

- To help students to learn & understand the techniques of various methods of drawing.
- To make them understand the use of colors& their effects in drawing.

CONTENTS

1. **FREE HAND SKETCHING**

Basic techniques of sketching, proportions, shades and tones , variations of hand pressure , outdoor sketching , trees , human poses, water bodies, furniture , still life.

2. **INTRODUCTION TO TOOLS AND DRAWING TECHNIQUES**

Handling of tools , point , lines , types of lines , their indication and thickness, dimensioning ,basic shapes , free hand lines. Lettering.

3. **GEOMETRICAL CONSTRUCTION**

Orthographic projections - Projection of lines, planes and solids, section of primary solids such as sphere , cones, pyramids, Cylinder, , cuboids , prism, etc.

4. **ISOMETRIC VIEWS**

Isometric projection of different types of solids such as cube, sphere, cuboids, pyramids, cone and hexagonal prism, Curved surfaces , inclined surfaces.

5. **MEASURED DRAWING**

Measure drawings of furniture , classrooms , basics of representation in plan , elevation and section , with line types, dimension , labeling , etc.

RREFERENCE BOOKS

1. Drawing – A creative Process, Francis D.K. Ching, John Wiley Sons, New York
2. How to paint & draw, BodoW.Jaxtheimer, Thames & Hudson, London
3. Geometrical drawing for art students, 2nd revised edition - I.H.Morris, Orient Longman, Calcutta, 1995.
4. Architectural drafting and design, 4th edition – Ernest R. Weidhaas, Allyn and Bacon, Boston, 1981.
5. Engineering Drawing N.D.Bhatt
6. Rendering with Pen and Ink

THEORY OF DESIGN AND VISUAL ARTS

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION									TOTAL MARKS	EXAM DURATION HRS
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4	BDES 104	STUDIO	THEORY OF DESIGN AND VISUAL ARTS	-	-	4	4	0	0	0	0	0	0	100	0	100	100	

INTRODUCTION

The objective of this course is to introduce various theories of perception , Perception of forms through movement in space, Relationship among forms, Form/Space relationship .

GUIDELINES

Developing Freehand Drawing Skills using Different Techniques, tools, and media, to enhance observation and visual perception Observation & recording through drawing – Pencil, pen, brush, Charcoal.

Analysis of visual impression of forms through line, plane and solids, and their integration, evolution of forms.

CONTENT:

1. INTRODUCTION TO THE DESIGN PROCESS

Form and space relationship , visualization of impressions, through simple elements like point , line , solids etc.

2. SHAPES AND PATTERNS

Compositions with design principles : unity, balance, symmetry, proportion, scale, hierarchy, rhythm, contrast, harmony, focuses, etc. 2-D and 3-D compositions , their rearrangements , visual perceptions . Perception of forms through movement in spaces.

3. COLOR THEORY

Color theory ,color wheel, primary, secondary, tertiary colors , color schemes, their visual effects , psychology and applications.

4. Textures

Texture , its applications, visual impacts

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1. Francis. D. K. Ching, Interior design Illustrated, Van Nostrand Reinhold
2. John. F. Pile, Interior Design, Harry Abrams Inc.
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WORKSHOP

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5	BDES 105	LAB	WORKSHOP	-	-	3	3	0	0	0	0	0	0	50	0	50	50		

INTRODUCTION

To introduce the students to basics of Model making with various materials.

GUIDELINES

Acquisition of hands on experience in model - building.

CONTENT:

1. **INTRODUCTION TO MODEL MAKING**

Understanding the need for 3DForms, Scale and Proportions. Tools and Techniques. Card sheets models with the help of development of surfaces , mass and void formation. Origami.

2. **BLOCK MODELING**

Basic geometric shapes , forms , Preparation of base for models using wood or boards other materials
Cutting and joining techniques of soft materials like thermocol , soap , wax , clay , soft wood etc.

3. **FINISHES IN MODELLING**

Models for small spaces , with complete detailing , level planning with materials like mount board, forex , plywood Models , detailing in interior models , detailing of finishes on walls, floors , furniture models .
landscape detailing such as models for trees and shrubs , metal wire trees etc.

REFERENCE BOOKS

1. BENN, The book of the House, Ernest Benn Limited, London
2. Jannsen, Constructional Drawings & Architectural models, Karl Kramer Verlag Stuttgart, 1973.
3. Harry W.Smith, The art of making furniture in miniature, 1982 , New York,

SEMINAR – I

SR. NO.	COURSE CODE	COURSE TYPOLOGY	NAME OF THE COURSE	L	T	S	CREDIT	EVALUATION									TOTAL MARKS	EXAM DURATION HRS
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								MST	MST	AVG MST	SS	ESUE		IA	EV			
6	BDES 106	SEMINAR	SEMINAR - I	-	-	2	2	0	0	0	0	0	0	50	0	50	50	

INTRODUCTION

To enhance presentation and observation skills of the student through documentation of any subject of their choice.

GUIDELINES

- A paper presentation on any topic of interest in the core or elective subjects.
- A case study presentation related to semester course