

PROPOSED SYLLABUS FORA THREE YEAR
GRADUATE PROGRAM IN INTERIORE DESIGN AND
DECORATION COURSE UNDER SEP STRCUTURE

BSc INTERIOR DESIGN AND DECORATION

Syllabus for B.Sc. (Interior Design and Decoration) Ist and IInd Semester

Submitting to

MANGALORE UNIVERSITY, MANGALORE

PROGRAMME OUTCOMES:

B.Sc. Interior Design, is a degree programme meant to prepare students to excel in the field of

- Design, with a focus on creating the interior environments.
- Developing exceptionally the qualified and the professional designers in the field of Interior Design
- Acquiring the necessary practical abilities for a designer in the field.
- Practical training improves comprehension of how to plan and execute the projects.
- The curriculum provides systematic training to the student
- Enhance the abilities and characteristics necessary for the international employment.
- Motivate to launch a design career independently after receiving necessary field experience.
- Designing the interiors with safety, efficiency, health, and environmental considerations in mind.
- Exhibit the professional ethics and conventions in their initiatives.
- Analyze the diverse scenarios logically and successfully and solve challenges

PROGRAMME SPECIFIC OUTCOMES:

- Inspiring the the curiosity to question and find solutions to design issues
- Upgrade both theoretical and practical knowledge and communication abilities.
- The curriculum includes both practical and theoretical studies, both of which are required for mastering the subject.
- The curriculum exposes students to the different parallel disciplines in design that are open to them if they possess the necessary skills.
- The hands-on instruction on the interior construction equipment and materials.
- Acquire the core abilities necessary for a designer to enter parallel
- Develop professional opportunity and become a capable and responsible designer.
- Expand technological connections with professional growth

Semester I								
Sl. No	Course Code	Title of the Course	Category of Courses	Teaching Hours per Week	SEE	IA	Total Marks	Credits
1		Basics of interior design	Theory	4	80	20	100	3
2		Basics of interior design	Practical	4	40	10	50	2
3		Interior Materials -I	Theory	4	80	20	100	3
4		Interior Materials -I	Practical	4	40	10	50	2
5		Design thinking and creative Problem solving	Theory	4	80	20	100	3
6		2d3d Graphics	Practical	4	40	10	50	2
Semester II								
7		Ergonomics in interiors	Theory	4	80	20	100	3
8		Ergonomics in interiors	Practical	4	40	10	50	2
9		Interior Materials-II	Theory	4	80	20	100	3
10		Interior Materials - II	Practical	4	40	10	50	2
11		Colour concept in interiors	Theory	4	80	20	100	3
12		Cad in interiors-I	Practical	4	40	10	50	2

Ist Semester
Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: First Semester	
		Course Credits	3
Course Name	Basics of Interior design(Theory)	Lecture Hours total	48hrs
<u>Objectives</u>			
<ol style="list-style-type: none"> 1 To understand the concept of elements and principles of design 2 To learn the basics of art element, principles and their applications in the creation of new design 3 Study the basics of interior design and its scope 4 Gaining insights about structural and decorative designs 5 Studying the different elements used in design 			
<u>UNIT 1: Foundation of design:</u>			<u>16 Hours</u>
<u>Chapter-I</u>			
Introduction to interior design and decoration- importance scope &, Aspects of interior design, difference between Interior design and decoration, role of the designer and decorator			
<u>Chapter-2</u>			
Definition and classification of design - Structural and decorative, Classification of decorative design: Naturalistic, stylized, geometric and abstract			
<u>Chapter3</u> Importance and requirements of good design, Evaluation of good design-criteria for evaluation			
<u>UNIT 2: Elements and Principles of Design:</u>			<u>16 Hours</u>
<u>Chapter 4:</u>			
Elements of Design - Point, Line, Shape and Form, Texture, Space And Pattern - Meaning, importance, characteristics of each element and their use in designing.			
<u>Chapter 5:</u>			
Principles of Design - Balance, Proportion, Rhythm, Emphasis and Harmony - Meaning, types and significance in designing.			
<u>Chapter 6:</u>			
Application of principles of design in: Room arrangement, Interior display and Furniture arrangement.			
<u>UNIT 3: Colours and Anthropometrics and Accessories in interiors</u>			<u>16 Hours</u>
<u>Chapter-8:</u> Introduction to Concept of color - significance of color in the interiors and exteriors Dimensions of color - Hue, value, intensity, Effects of Hue, value and Intensity, Colour Schemes and types,			
<u>Chapter 9</u>			
Definition, significance, theory of standard dimension based on human figures for activities, functions, circulation, furniture design, spatial requirements etc			
<u>Chapter-9</u>			
Accessories: Definition and importance Classification - functional, decorative and both. Selection and placement of accessories Pictures, Art and Craft objects, Sculpture, Antiques, indoor			

REFERENCE BOOKS

- 1) PremavathySeetharaman and ParveenPannu (2005), "Interior Design and Decoration."CBS Publishers and DistributersPrivate Limited, New Delhi.
- 2) PrathapRao (2016), "Interior Design Principles and Practice." Standard Publishers andDistributers, Delhi.
- 3) Richard Box (2004), "Basic Drawing Techniques." Search Press Limited, Kent
- 4) Sally Walton (2002), "Colour Your Home." ParragonBook, UK
- 5) "The New Smart Approach to Home Decorating." - Creative Home Owner, New Jersey.

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: First Semester	
		Course Credits	2
Course Name	Basics of Interior design (Practical)	Lecture Hours total	60hrs
Unit 1	Basic Application of Design: Types of Design: Structural and decorative Design Decorative designs: Naturalistic, stylized, geometric and abstract		<u>20 Hours</u>
Unit 2	Basic Application of elements of Design in interior Design- Line, Point, form and shape, size, color, light, pattern, texture and space. Basic Application of principles of design in interior Design. - Balance, rhythm, emphasis, harmony, proportion, Unity,		<u>20 Hours</u>
Unit 3	Dimension of the color: Hue, Value, Intensity Color wheel Color Schemes: Harmonious Color Schemes: Monochromatic & analogous Non Harmonious Color Schemes: Triad, Complementary, Double Complementary SpiltComplementary, Double Complementary Tetrad, Polychromatic.		<u>20 Hours</u>

<u>Basics of Interior design (Practicals) Examination Marks distribution Pattern</u>	
<u>UNIT 1: QUESTIONS</u>	<u>Out of 10 MARKS</u>
<u>UNIT 2: QUESTIONS</u>	<u>Out of 10 MARKS</u>
<u>UNIT 3: QUESTIONS</u>	<u>Out of 10 MARKS</u>
<u>RECORD OR SHEET PRESENTATION</u>	<u>5 MARKS</u>
<u>VIVA QUESTIONS</u>	<u>5 MARKS</u>
<u>TOTAL DISTRIBUTION MARKS</u>	<u>40</u>

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: First Semester	
		Course Credits	3
Course Name	<u>Interior Materials - I (Theory)</u>	Lecture Hours total	48hrs
<u>Objectives:</u>			
<ol style="list-style-type: none"> 1 To know the basic materials used in construction. 2 To understand the methods of interior construction techniques 3 Study about different types of materials used in interiors 4 Study of cement as proper material for buiding partition inside interiors 5 Study of timber as a wood material for interiors and steel and plastic 			
<u>Unit: 1 Stone ,Stone Masonry& Bricks</u>			<u>16 Hours</u>
<u>Chapter 1:</u>			
Introduction to stone, Geological classification of stones,uses of stones,preservation and deterioration of stones Types of stones, dressing of stone, finishes, its application in interiors. (Granite, literate, Quartzite, Marble, Slates etc.) , preservation of stone, Stone for finishing, cutting and polishing			
<u>Chapter-2:</u>			
Stone masonry introduction, properties and applications. Terms used in stone masonry work, Types of stone masonry, Different types of Stone Masonry bonds & its Applications in Interiors.			
<u>Chapter 3:</u>			
Introduction to bricks,uses of bricks, - Brick in interiors,brick masonry (English, Flemish, rat, trap bond) detailed brick layout at corners, junctions and brick piers, Style of construction. Exposed brick work, madras terrace roof, jack arch roof, Types of bricks such as traditional , wire-cut, moulded bricks and its size			
<u>Unit 2: Cement, Mortar and Clay</u>			<u>16 Hours</u>
<u>Chapter 1:</u>			
Cement and its applications, properties of cement, types of cement- Portland, pozzolonaect			
<u>Chapter 2</u>			
Mortar and its application properties, types of mortar- lime mortar and cement mortar, concrete and admixtures, R.C.C, R.B. concrete			
<u>Chapter 3</u>			
Characteristics and types of clays & uses, uses if bitumen and aspalt in interiors, Load bearing & Non load bearing walls and Partition walls Definitions, Decorative brick work in interior Section showing basic building components from foundation bed to parapet wall.			
<u>Unit 3: Timber, Metal,Plastic</u>			<u>16 Hours</u>
<u>Chapter 1:</u>			
Timber and its usage in construction -Introduction and Properties. Timber - as a building material, Seasoning & preservation of timber, Hardwood & softwood. Plywood, Veneers, fibre board, particle board, various types of plywood, special plywoods, block board, natural wood, visit to the Timber factory & Market.			
<u>Chapter 2:</u>			
Uses & defects in Steel, preservatives, measure for corrosion, steel alloys, Aluminium& its alloys, Application in interiors for partitions, window, false ceiling etc., Steel alloysAluminum and its application in interiors, Aluminum alloys.			
<u>Chapter-3:</u>			
Plastics and miscellaneous Materials- Introduction and Properties, Types of plastics, use of plastics in interiors, fiber plastic, silicon and its usage.			

Reference Books:

1. Sushil Kumar (2008), "Building Construction." Standard Publishers and Distributers,Delh
2. Sanjay Mahajan (2014), "Building Construction I and II". SatyaPrakashan, New Delhi.
3. Gurucharn Singh (2014), "Building Materials." Standard Publishers and Distributers,Delhi.
4. SuchetaSingh,VeenaGandotra and Promila Sharma (2009), "Organic BuildingMaterials in Residential constructions."ConceptPublishingCompany, New Delhi
5. Chakraborti (2015), "Civil Engineering Drawing." Bhaktivedanta Book Trust, Kolkata.XI ed.
6. "Construction materials reference book" edited by David Doren, Bob Cather.
7. "Materials in construction" by G.D.Taylor

Model Curriculum

<u>Program Title: B.Sc. Interior Design and Decoration</u>		<u>Semester: First Semester</u>	
		Course Credits	2
Course Name	<u>Interior Materials - I (Practical)</u>	Lecture Hours total	60hrs
Unit 1	Type of stones ,available in Market Application of Stones, Market Survey on stones and Market Rates of stones. Sketching of different types of Stones-representation skills.		<u>20 Hours</u>
Unit 2	Drafting of Brick Wall plan and elevations using different bonding agent Brick Bond, Stretcher, and Header, English and Flemish bonds and Market Survey on Types of Bricks & Rates		<u>20 Hours</u>
Unit 3	Drafting of Brick Wall plan and elevations using different bonding agent Brick Bond, Stretcher, and Header, English and Flemish bonds and Market Survey on Types of Bricks & Rates		<u>20 Hours</u>

<u>Interior Materials - I(Practicals) Examination Marks distribution Pattern</u>	
<u>UNIT 1: QUESTIONS</u>	<u>Out of 10 MARKS</u>
<u>UNIT 2: QUESTIONS</u>	<u>Out of 10 MARKS</u>
<u>UNIT 3: QUESTIONS</u>	<u>Out of 15 MARKS</u>
<u>VIVA QUESTIONS</u>	<u>5 MARKS</u>
<u>TOTAL DISTRIBUTION MARKS</u>	<u>40</u>

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: First Semester	
		Course Credits	3
Course Name	<u>Design thinking and creative problem solving (Theory)</u>	Lecture Hours total	48hrs

Course Content

Objectives:

- 1 To enable the students to study the design process stages
- 2 To study and enable the concepts of creativity in design
- 3 To study the process problem solving techniques
- 4 The objective of this course is to develop deep insights into design thinking.
- 5 This course provides the ability to gain about users to define and re-frame problems
- 6 To generate solutions or alternative approaches towards design and innovation.

UNIT 1: Stages of Thinking and Prototyping

16 Hours

Chapter 1:

Stages of Thinking:The design process stages:1) Define stages 2) Research 3) Ideas 4) Prototype 5) Selection 6)Implementation 7)Learn, Research: Identifying defects, Information gathering, Changes needed (target), Samples Projects, and feedback.

Chapter 2:

Idea generation: Basic design directions; Themes of thinking; Inspiration and references; Brainstorming; Value; Inclusion; Sketching; Presenting ideas. Refinement: creating images and signs after idea generation Appropriation; Humor ; Personification; Visual metaphors; Modification; language; Thinking in shapes; Thinking in proportions; Thinking in color.

Chapter 3:

Prototyping: Developing designs; Types of prototype; Implementation: Format; Materials; Finishing; Media; Scale; Series/Continuity.

UNIT 2 Creativity in Design and Brainstorming

16 Hours

Chapter 4:

Exploring CreativityDefinitions of creativity, Understanding components of creativity, Theories of creativity, Goals and objectives, Value judgments.

Chapter 5:

Defining problems, Information gathering, Creative incubation, Creative thinking, and creative process. Tools and techniques of creativity Mind mapping.

Chapter 6:

Brainstorming with related stimuli and unrelated stimuli, Positive techniques for creativity, Creative pause, Focus, Challenge, Alternatives, Concepts, Provocation, Movement, Setting up provocations, Sensitizing techniques, Group or individual techniques. Simple design exercises.

Unit 3: Design Problems and Solutions

16 Hours

Chapter 7:

Design Problems and Solutions

Definitions of problem solving; Formulation of problems, Nature of creative design problems, Design goals.

Chapter 8:

Problem statements:Brain writing with unrelated stimuli, Idea mapping, Random input, Storyboarding exercises, Problem-solving techniques: Divide and conquer, Hill climbing strategy, Means - Ends analysis, Trial and error. Brainstorming, Method of focal objects, Steps developed by Polya, De Bono, Analogy, Reduction (Complexity),TRIPZ, Halpern's techniques, etc. Creative solutions applicable to designs; Conceptual design, Embodiment design, Detail design, Iterations,

Reference Books :

- 1) Liedtkajeane and Tim Ogilvie :Designing for growth Columbia university 2011
- 2) John Heskett, Design: A Very Short Introduction, Oxford University Press, 2005.
- 3) Nigel Cross; Developments in Design Methodology, John Wiley & Sons, 1984
- 4) Jon Kolko, Exposing The Magic of Design; Oxford University Press, 2011
- 5) Mitchell, C. Thomas. Redefining designing: From form to experience. New York: Van NostrandReinhold, 1993.
- 6) Noone, Donald.J, Creative Problem solving, Hauppauge, 1993.
- 7) De Bono, Edward, Serious Creativity; Harper Collins publishers, 1992.
- 8) Peterson, Bryan. Design basics for creative results. Adams Media, 2003
- 9) Casper, Steven, Eds. Innovation and Institutions; Edward Elgar Publishing, 2005.

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: First Semester	
		Course Credits	2
Course Name	2D and 3D Graphics(Practical)	Lecture Hours total	60 hrs
Objectives			
1 Introducing students to fundamental techniques of architectural representation and to equip with the basic principles of representation. 2 Enhancing the skills in developing a graphical language of architecture			
Unit 1	1. Scales: Construction details of Plain scale and diagonal scale, problems on Plain Scale and Diagonal Scales 2. Projection of points: - Study of methods Projection systems of four quadrants. Problems on Projection of Points. 3. Projection of lines in first quadrant, traces of lines, inclinations of lines, and true lengths. Problems on Projection of Lines.	20 Hours	
Unit 2	4. Projections of plane figures in first quadrant, Problems on Projection of Plane Surfaces . 5. Projection of solids: Simple cases when solid are placed in different positions, axis, faces and lines lying in the faces of the solid making given angles. Implementing these Solids in Furniture making	20 Hours	
Unit 3	6 Drafting of isometric views, Axonometric Views, different objects and interior related views & Objects, Creating 3D models of various solids as Cube, Pyramids, Prisms, Cylinder and Cone 7 Drafting of perspective drawings of simple and complex objects, one point and two- point perspective of interiors and exteriors, sectional perspective 8 Development of surfaces of different solids	20 Hours	
Reference Books:			
1. Francis D. K. Ching, 'Architectural Graphics', John Wiley and Sons, 2012.			
2. Engineering Drawing Vol 1 By K.R. Gopalakrishan, (Subhas Stores, Bookscorner, Avenueroad, Bangalore)			
3. Engineering Drawing By N.D.Bhat (Charotar publishing house, court road ,Anand)			
4. Maureen Mitton, Interior Design Visual Presentation: A Guide to graphics, models and 5. presentation techniques, 3rd edition, Wiley publishers, 2007			
5. Engineering Drawing By By S.B.Mathur			
6. Martin, L. C.(1970). Architectural Graphics. 2nd Ed. Macmillan Pub Co.			
7. Geometrical Drawing for art Students By I.S.Morris			
8. Morris, I.H. (1902). Geometrical Drawing for Art Students. Longmans			

2D and 3D Graphics(Practicals) Examination Marks distribution Pattern	
Unit 1: Questions	Out of 10 Marks
Unit 2: Questions	Out of 10 Marks
Unit 3: Questions	Out of 15 Marks
Record or sheet submission and valuation	5 Marks
Total Marks	40

IInd SEMESTER

IInd Semester

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: Second Semester	
		Course Credits	3
Course Name	<u>Ergonomics in interiors (Theory)</u>	Lecture Hours total	48hrs

Course Content

Objectives:

- 1 To enable the students to learn the concept of space in interior design
- 2 To Differentiating between positive and negative space.
- 3 To Principles of efficient space utilization.
- 4 The goal of learning and importance of ergonomics in interior design
- 5 The Understanding human anatomy and physiology related to design.
- 6 Overview of ergonomic standards for residential and commercial spaces.

Unit 1: Introduction to Ergonomics

16 Hours

Chapter-1:

Meaning of Ergonomics, Concept, objectives, Applications, Ergonomic Factors Applicable to design.

Chapter-2:

Anthropometry- Introduction to Anthropometry, Types of Anthropometric Data-Static and Dynamic Anthropometric data necessary to design. Anthropometric considerations in design. development.

Chapter-3:

Ergonomics for seated and standing work.

Unit 2: Application of Ergonomics in Residential spaces.

16 Hours

Chapter-4:

Furniture used in residential spaces and their dimensions. Space requirements and allocation in living rooms, bedrooms, Dining rooms.

Chapter-5:

Ergonomics in wash rooms: Various fixtures used in washrooms. Dimensions of various fixtures. Space requirements in Toilets, powder rooms, bathrooms.

Chapter-6:

Ergonomics in Kitchens: Ergonomic triangle. Different work centers in Kitchens. Types of kitchen.

Unit 3: Ergonomics in work space design

16 Hours

Chapter-7:

Space requirements in office spaces: reception areas, work centers, conference room

Chapter-8:

Space requirements in Restaurants: Space allocation in Alcove configuration, Parallel configuration, and Diagonal configuration.

Chapter-9:

Space requirements for public washrooms with universal access.

Reference Books:

1. Bridger. R. S. (1995), "Introduction to Ergonomics." Mc. GrawHallInc, New York.
2. Lakhwinder Pal Singh (2016), "Work Study and Ergonomics." Cambridge UniversityPress, Noida.
3. Mark. S. Sanders and Ernest. J. Mc. Cormick (1992), "Human Factors in Engineering andDesign." Mc. GrawHallInc, New York.
4. PheasantS (2003) Anthropometry, ergonomics and Design of work, Taylor and Francis,London
5. Chiara J.D., Panero.J., Zelnik M.,(1992) TimeSaver standards for Interior Design
6. And Space planning,McGraw Hill, Neuferts Architect's Data

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: Second Semester	
		Course Credits	2
Course Name	<u>Ergonomics in interiors (Practical)</u>	Lecture Hours total	60hrs
Unit 1	Anthropometric measurements and Vertical and Horizontal reach. Various human postures with dimensions: standing, sitting, cross legged,crawling, reclining.		<u>20 Hours</u>
Unit 2	Determination of work surface height, depth, Comfortable workchair height. Standard Furniture dimensions. Furniture used and space requirements in residential spaces with dimensions		<u>20 Hours</u>
Unit 3	Space allocations in residential washrooms, public washrooms and washrooms with disability needs. Space allocation in public spaces.		<u>20 Hours</u>

<u>Ergonomics in interiors (Practicals) Examination Marks distribution Pattern</u>	
Unit 1 Questions	Out of 10 Marks
Unit 2 Questions	Out of 10 Marks
Unit 3 Questions	Out of 10 Marks
Record or Sheet submission	Out of 5 Marks
Viva	Out of 5 Marks
Total	Out of 40

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: Second Semester	
		Course Credits	3
Course Name	<u>Interior Materials II(Theory)</u>	Lecture Hours total	48hrs

Objectives:

- 1 To understand the advanced materials used in construction.
- 2 To learn the methods, techniques and application of materials in interiors.
- 3 Comprehend and articulate advanced interior construction methods and their applications.
- 4 Demonstrate knowledge of contemporary interior construction practices and technologies

<u>Unit 1:</u>	<u>16 Hours</u>
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Chapter 1:

Walls and partition walls - Introduction, types and application. Load bearing and non-load bearing walls. Wooden partition - Its construction details. Different types of plaster like lath and its installation, purposes, materials - plastic surfaces, gypsum boards partitions, metal stud partitions.

Chapter 2:

Definition of roof, types of roofs in general. Explanation of Flat roof & Pitched roofs, Vaults, domes & shells. Brief explanation of Kingpost & Queen post truss Types of Steel trusses for different spans,

Types of Sills, lintels Chajjas based on material and use.

Damp Proofing & Termite Proofing - Dampness - Concept, causes and effects. Techniques and methods of damp prevention. Materials used for damp proofing

<u>Unit 2:</u>	<u>16 Hours</u>
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Chapter 3:

Floors & Floor finishes: Different types floors, factors affecting choice of flooring materials, Cement Concrete, Mosaic, Marble, brick, granite, and flooring etc, Artificial Flooring and application. Resilient flooring. Ceramic tile Flooring, Vitrified, Terrazzo flooring, and Soft flooring**Floor finishes-** PVC, Rubber, wood, ceramic, terracotta, tiles etc

Chapter 4:

Paints and polish - Introduction, purpose, types, application of paints to new and old surfaces. Characteristics of good paint. Method of proper application of paint and polishes. Types of paints - oil and water based paints. Polishes, wall papers and its finishes.

<u>Unit 3:</u>	<u>16 Hours</u>
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Chapter 4:

Glass in interiors - Introduction, types and application. Classification, types of glass - wired glass, fiber glass, rock wool, laminated glass, glass concrete blocks - their properties and uses in buildings Different Polishes, Wall papers and finishes and its applications ,

Uses of Metals in interiors: Brass, Stainless steel ,Galvanized Iron, Mild steel, Aluminium

Chapter 6:

Foundations, footings, Beams and slabs- Introduction, types and application Different Types of foundations and its use based on the soil. Different types of footings beam slabs

Reference Books:

1. Alan Barnard & Jonathan Spencer, Encyclopedia of Social and Cultural Anthropology, Taylor & Francis, 1996
2. Alan Colquhoun, Modern Architecture, History of Arts, First Edition, Paperback publishers, ISBN: 13978-0192842268
3. Barry Burgdol I, European Architecture (1750-1890) Oxford History of Arts, First Edition, Paperback publishers, ISBN: 13978-0192842220
4. Charles. V. Stanford, Studies in Indian society, Culture and Religion, South Asia Books, 1988.
5. Clifford Geertz, the Interpretation of Cultures, Basic Books, 1977.
6. Human Behavior in the Social Environment: A Social Systems Approach, Gary Lowe, Irl Carter, Ralph Anderson, Aldine Transaction, 1999
7. Kenneth Frampton, Modern Architecture: A Critical History, Fourth Edition, Thames and Hudson, ISBN: 13978-0500203958
8. KUMAR RAJ (Ed) Essays on Indian Art and Architecture. Discovery Pub, New Delhi, 2003
9. Niggel Rapport, Social and Cultural Anthropology: The Key Concepts, Routledge, 2000

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: Second Semester	
		Course Credits	2
Course Name	<u>Interior Matierials II(Practicals)</u>	Lecture Hours total	60hrs

Unit 1	Drafting of Plans Elevations and sections different types of Wallsand partition walls. Drafting of Different Types Footings, Columns, Slabs, Chajjas, Lintels, visit to a construction site and make a report on it.	<u>20 Hours</u>
Unit 2	Types of Flooring, and its Application. Visit to any flooring showroom, study report and rate analysis of different types of Flooring. Market Survey on different types of flooring materials.	<u>20 Hours</u>
Unit 3	Different Types of Painting Techniques and methods Glass - Identification, thickness, types, textures andapplication.Market survey on Types of Paints Rates, Types of Glasses, Rates Visit to paint and glassshow rooms.	<u>20 Hours</u>

<u>Interior Matierials II(Practicals) Examination Marks distribution Pattern</u>	
Unit 1 Questions	Out of 20 Marks
Unit 2 Questions	Out of 05 Marks
Unit 3 Questions	Out of 05 Marks
Viva	Out of 10 Marks
Total	Out of 40

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: Second Semester	
		Course Credit	3
Course Name	<u>Colour concept in interiors(Theory)</u>	Lecture Hours total	48 hrs
Objectives: <ol style="list-style-type: none">1 To enable the student to learn the concepts of color and color schemes.2 To understand the importance, history and effect of color on Interiors3 Grasp the fundamentals of color theory, including the color wheel, primary, secondary, and tertiary colors.4 Understand the psychological effects of different colors and how they influence human behavior and perception.5 Learn to apply color theory in the creation of aesthetically pleasing and functional interior spaces			
<u>Unit 1: Introduction</u>			<u>16 Hours</u>
<u>Chapter 1:</u> <p>Introduction to colour concept - Significance of colour in the interiors and exteriors. Dimensions of colour - Hue, value, intensity, its effects, advantages/disadvantages.</p> <u>Chapter 2:</u> <p>Colours - Colour wheel, primary, secondary, tertiary colours. Warm colours, cool colours, earthy colours, neutral colours. Colour mixing, colour dynamics, colour planning in design.</p>			
<u>Unit 2: Colour Schemes and Colour Harmonies</u>			<u>16 Hours</u>
<u>Chapter 3:</u> <p>Colour schemes - Introduction and its types - achromatic, monochromatic, analogous, accented analogous, complementary, double complimentary, split complementary, triad, tetrad. Colour scheme planning for bedroom/living room/kitchen/dining room/kids room/bathroom.</p> <u>Chapter 4:</u> <p>Colour harmonies - Introduction, application, related and contrast colours, advanced and receding colours, factors considered in selecting colour harmonies. Application of colour harmonies in the interiors, exteriors and its effects on light, form, surface qualities, distances and value scales on colour, illusion of colour, effect of colour on each other.</p>			
<u>Unit 3: Colour Physiological Concepts and Colour systems</u>			<u>16 Hours</u>
<u>Chapter 5:</u> <p>Psychological impact of colour - Introduction, types and its application. Impact of specific hues, problems with colour, use of colour in various functional contexts - residential interiors, non-residential interiors, use of colour in special situations - outdoor/indoor spaces, accessories and colour artworks. special colour issues, mixed colour effects, effects of texture, using colour systems.</p>			

Reference Books:

1. Faulkner R N, Faulkner S, “Inside Today’s Home”, Holt, Rinehart & Winston of Canada Ltd., 3rd revised edition, 1968.
2. Judy Martin, “How to see, how to paint it”, Collins, London, 1994.
3. Pratap R M, “Interior Design Principles and Practice”, Standard Publications, Delhi, 2012.
4. Seetharam P and Pannu P, “Interior Design and Decoration”, CBS, 1st edition, New Delhi, 2009.
5. Stephen Kliment, “Architectural Sketching and Rendering: Techniques for Designers and Artists”, Watson Guptill, 1984.
6. Stewart and Sally W, “The Complete Home Decorator”, Collins & Brown, New York, 1997

Model Curriculum

Program Title: B.Sc. Interior Design and Decoration		Semester: Second Semester	
		Course Credit	2
Course Name	<u>Cad In Interiors– I (Practical)</u>	Lecture Hours total	60hrs

Objectives:

- 1 To enable the students to understand the skill of computer aided drafting
- 2 2D Skills, and drawing Techniques such as floor plan of a space and sections

<u>Unit 1:</u>	Introduction to CAD Software, Software installation, importance and application of CAD in interiors. Fundamentals of computers, importing and exporting files, saving files in different formats, printing, publishing, matching properties, drawing setting and its application. Exercises on creating objects and object editing with types of lines and hatching the objects, creating text styles, dimension styles using PLine, construction lines, splines, multiline, types of objects, circles and curves arc, polygon, ellipse, donut. Introduction to viewing, types of viewing - zoom, pan, holstering utility and its advantages and importance, introduction to layers, types of layer.	<u>20 Hours</u>
<u>Unit 2:</u>	Introduction to drawing setting and types of setting drawing limitsunits, object selection, drafting, setting, polar tracking, grid and snap,its application advantages and uses. Introduction to object editing,types in editing the drawing with different command trim, extend, stretch, erase delete, introduction to viewing, types of viewing -zoom, pan, holstering utility and its advantages and important, hatch boundary,hatch,editing,introduction to layers, types of layer creation and uses in interiors Introduction to hatch, dimensions, text, layer, point style creation,dimension, text, multiline, plane, editing, creating different options of viewcommand. Working on model space, paper space, setting the scale for drawings, different types, its application and importance	<u>20 Hours</u>
<u>Unit 3:</u>	Drafting the plan and elevations of a door, staircase, curved objects (3 each) and designing of complete room's interiors with furniture (office, drawing room and kitchen) (Floor plan and any one section plane) Drafting the plan and elevation of the projects, working drawings with paper space, model space, printing with different plot styles (any three). Complete model of residence or commercial plan (Floor plan and any one section plane).	<u>20 Hours</u>

Reference Books:

1. Omura, G., (2005), Mastering Auto CAD 2005 and AutoCAD LT 2005, BPB Publications, New Delhi.
2. Byron S. Gottfried, (1996), Theory and Problems of Programming with C.Schaum's outline series, McGraw Hill Publishing Co.
3. Saxena, S., (2003), A first Course in Computers, Vikas Publishing house, New Delhi.
4. Sham Tickoo, (2014), Understanding AutoCAD – 14
5. Teach Yourself Auto CAD, GIBBS, BPE Publication New Delhi.
6. V. Rajaraman,(1988), Principles of Computer Programming, Prentice Hall of India. 7. Auto CAD Reference Manual – Autodesk INC, 1998.

<u>CAD IN INTERIORS – I (Practical) Examination Marks Distribution Pattern</u>	
<u>One question with plan and nay one section</u>	<u>30 Marks</u>
<u>Record</u>	<u>05 Marks</u>
<u>Viva</u>	<u>05 Marks</u>
<u>Total</u>	<u>Out of 40 Marks</u>

