

Programme Structure
And
Curriculum & Scheme of Examination
B.Sc. (Interior Design)
Batch - 2023 – 2026, 2024 - 2027

ITM UNIVERSITY GWALIOR

I - SEMESTER

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 101: Basics of Design -I
Credits	04 (L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES (COs):

- CO1: Remember a basic skill at putting observations in hand drawing formats. (BL1)
- CO2: Understanding the fundamentals of color and texture perceptions and relationships with form (BL2)
- CO3: Apply Develop ability to identify elements of design and principles of design.(BL3)
- CO4: Analyze the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: Evaluate the other fields of arts along with the drawing, painting, calligraphy, architecture, sculpture, etc.(BL5)
- CO6: Create simple design compositions using basic principles. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL6
2	Progressive Evaluation and Internal Viva	CO1-CO6	BL1-BL6
3	PBL-Project Based Learning	CO2-CO5	BL2-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: Knowledge of basic elements of design, shape and form, light and color, textures.</p> <p>UNIT – I - Introduction to Design</p> <ul style="list-style-type: none"> ▪ Definitions and meaning of design, ▪ Importance of design, examples of design from nature. Fundamental elements of design in 2-D and their definitions; point, line, shape, form, space, texture, value, colour and material. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	<p>UNIT – II - Concepts of Geometry</p> <ul style="list-style-type: none"> ▪ Introduction to different 3-D forms and primitive forms, shapes and understanding the behavior when combined. Transformation of 2-D to 3-D. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions
3	<p>UNIT – III - Principles of Design</p> <ul style="list-style-type: none"> ▪ Harmony. Balance. Contrast. Rhythm. Emphasis ▪ Understanding Gestalt's principles. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
4	<p>UNIT – IV – Light & Color</p> <ul style="list-style-type: none"> ▪ Color theory. Additive/subtractive theory/CMYK. Light & pigments. Value. Tint. Hue. Relationships: color/form, color/texture 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
5	<p>UNIT – V- Textures</p> <ul style="list-style-type: none"> ▪ Textures in nature. Physical and visual textures. Textures and materials. Light and texture relationships 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Lorry Hubbard	Elements and Principles of design :Students Guide and Activities.	2004
2	Kurt Koffka	Principles Of Gestalt Psychology	1935
3	Albert W Porter	Shape and Form	1974

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 102: Drawing - I
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	8

A. COURSE OUTCOMES(COs):

- CO1: To Remember a basic skill at putting observations in hand drawing formats. (BL1)
- CO2: To Understand basic three-dimensional geometries and drawing them in different views. (BL2)
- CO3: To apply the Develop observation of things around us. (BL3)
- CO4: To analyze the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: To evaluate the other fields of arts along with the drawing, painting, calligraphy, architecture, sculpture, etc. (BL5)
- CO6: To Create simple design compositions using basic principles. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva - (Minor Design Assignment/ Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment (Individual or Group Of 2-3 Students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	Prerequisite: This course is primarily meant to develop observational skills and conversion concepts. It shall be undertaken through hands on exercises (regular studio work) on compositions, live sketching of nature and human drawings, perspectives. UNIT – I - Basic Drawing <ul style="list-style-type: none"> Free hand drawing of Lines, forms, textures. 	Lecture, Whiteboard, Studio Sessions
2	UNIT- II – Geometric Forms <ul style="list-style-type: none"> Drawing of basic through 3 D geometric forms 	Lecture, Whiteboard, Studio Sessions
3	UNIT-III- Natural Drawing <ul style="list-style-type: none"> Flora/fauna. Form portrayal, proportions, and details. 	Lecture, Whiteboard, Studio Sessions
4	UNIT- IV – Human Drawing <ul style="list-style-type: none"> Sketching – overall human form, in activity. Body parts and details. Study of proportions. 	Lecture, Whiteboard, Studio Sessions
5	UNIT – V – Views and Perspectives <ul style="list-style-type: none"> Isometric & orthographic projections. One-point and 2-point perspectives of simple objects 	Lecture, Whiteboard, Studio Sessions
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1			
2			
3			



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 103: Materials - I
Credits	2(L-0-T-0-P-4)
Contact Hours Per Week	04

A. COURSE OUTCOMES(COs):

- CO1: To remember a basic proficiency in working with specific materials. (BL1)
- CO2: To Understanding the basic characteristics of materials as an input resource of design. (BL2)
- CO3: To apply the Understanding of traditional and contemporary technologies. (BL3)
- CO4: To analyze a curious outlook towards exploring materials. (BL4)
- CO5: To evaluate the basic characteristics of materials as an input resource of design. (BL5)
- CO6: To create a technical outlook towards sustainability. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva - (Minor Design Assignment/ Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment (Individual or Group Of 2-3 Students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Introduction to Material Characteristics <ul style="list-style-type: none"> Physical appearance. Color. Texture, Strength. Viscosity. Porosity. 	Lecture, Whiteboard, Studio Sessions
2	UNIT- II – Basic Materials <ul style="list-style-type: none"> Stone: types of stone and their properties. Wood: timber properties. Timber products. Bamboo and its versatile properties 	Lecture, Whiteboard, Studio Sessions
3	UNIT-III- Clay <ul style="list-style-type: none"> Working with mud. Properties. Making clay ready for modeling. Introduction to Terracotta & Ceramics. 	Lecture, Whiteboard, Studio Sessions
4	UNIT- IV – Metals <ul style="list-style-type: none"> Iron. Copper. Brass. Tools and artefacts 	Lecture, Whiteboard, Studio Sessions
5	UNIT – V – Textile <ul style="list-style-type: none"> Types of textile materials – natural- based and man-made materials. Processes – spinning, weaving, exploring through processes such as dyeing/ block printing/braiding 	Lecture, Whiteboard, Studio Sessions
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	W. B. Mc Kay	Building Construction Vol 3	1944
2	B.C. Punmia	Building Construction	
3	Duggal, rangwala	Building Construction and materials	
4	Lisa Godsey	Interior materials and specification	2012



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 104: Design Thinking
Credits	2 (L-0-T-0-P-4)
Contact Hours per week	02

A. COURSE OUTCOMES (COs):

- CO1: Remember the design brief.
- CO2: Understand the design thinking mindset.
- CO3: Apply your understanding in finding out your inspiration.
- CO4: Analyze and Execute the design ideation to any product development.
- CO5: Create any inspiration by keeping all the design thinking and brief in mind.

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva - (Minor Design Assignment/ Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment (Individual or Group Of 2-3 Students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I - Ideas and Concepts Inform Art and Design Work <ul style="list-style-type: none"> What is Design? REFERENCES: visual references; non-visual references; contemporary; historical; ideas e.g., Symbolists (visions, metaphor), religious belief (symbols, buildings, artefacts), art related e.g., sustainability, art and society, the media, performing arts, art and the environment, religion. IDEAS: influences e.g., visual, written, verbal, other artists, designers, visionaries, mythologies. 	Whiteboard, Notes, PPT
2	UNIT - II - Design Thinking Background <ul style="list-style-type: none"> Definition of Design Thinking Business uses of Design Thinking Variety within the Design Thinking Discipline Design Thinking Mindset 	Whiteboard, Notes, PPT
3	UNIT - III - Design Thinking Approach <ul style="list-style-type: none"> Fundamental Concept <ul style="list-style-type: none"> Empathy Ethnography Divergent Thinking Convergent Thinking Visual Thinking Assumption Testing Prototyping Time for Learning and Validation Design Thinking Resources <ul style="list-style-type: none"> People Place Materials Organizational Fit Design Thinking Processes <ul style="list-style-type: none"> Numerous Approaches Double Diamond Process Designing for Growth Process Role of Project Management 	Whiteboard, Notes, PPT
4	UNIT - IV - Design Thinking in Practice <ul style="list-style-type: none"> Process Stages of Designing for Growth <ul style="list-style-type: none"> What Is What If What Wows What Works 38 Design Thinking Application <ul style="list-style-type: none"> Design Thinking Applied to Product Development 	Whiteboard, Notes, PPT
Total = Lectures		

D. REFERENCE BOOK:

S.No.	Author	Title	Publisher & Edition
1.	By Jeanne Liedtka	Designing for growth: A design thinking tool kit for managers.	



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 105: History of Design - I
Credits	03 (L-2-T-1-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES (COs)

- CO1: To remember students with theoretical tools of understanding art and culture. (BL1)
- CO2: To understand the visual language and vocabulary of various movements. (BL2)
- CO3: To apply the basic understanding of art on to his own work. (BL3)
- CO4: To analyze the effect of personal, political, sociological and religious factors behind each creation. (BL4)
- CO5: To be able to examine and explore the links between art, design, and aesthetics. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Learning Assignment	CO1-CO5	BL1-BL5
3	ABCA- Assignment/Quiz/Seminar/Poster/Case study	CO1-CO5	BL1-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I - Purpose and Relevance of Art Development <ul style="list-style-type: none"> A survey of history of art forms: pre historic times to present times: changing nature of art through time in terms of content: form and material. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	UNIT- II – Early Civilizations <ul style="list-style-type: none"> Early settlements, tools, objects, and community. Expressions through Art forms. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
3	UNIT-III- Western Civilizations <ul style="list-style-type: none"> Introduction to art and aesthetics in the western civilizations. Classical. Medieval. Renaissance. 	Lecture with Ppt, Studio Sessions, Live Sketching,
4	UNIT- IV – Post Industrial Movements <ul style="list-style-type: none"> Art post industrial revolution – Art Deco. Modern art. Change in crafts of textile, printing, productions of objects, furniture, appliances, and houses. 	Lecture with Ppt, Studio Sessions, Live Sketching
5	UNIT – V – Indian Art Forms <ul style="list-style-type: none"> Indian art forms. Indian patrons, evolution of styles, post-independent India, context with native and western influences, pop culture. Discussion on the Indian aesthetic 	Lecture with Ppt, Studio Sessions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Ted Crawford	AIGA Professional Practices in Graphic Design	Allworth Press, 2008
2	Shan Preddy	How to Run a Successful Design Business: The New Professional Practice	Gower Publishing, Ltd., 2011
3	Best, K	Design management: managing design strategy, process and implementation	(2006).



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 106: Communication Techniques
Credits	3(L-3-T-0-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: To remember the basic rules that govern the English Language and communication. (BL1)
- CO2: To understand the principles of effective communication. (BL2)
- CO3: To apply the basic understanding of art on to his own work. (BL3)
- CO4: To analyze the Basic English reading & writing skills with case studies which are related with effective communication. (BL4)
- CO5: To evaluate the application of principles of language in practice to ensure effective communication. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL5
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: Be able to express his /her ideas and thoughts in speech or writing; be able to comprehend, converse, interact and participate in any day-to-day events and situation; Be able to write grammatically correct sentences for various forms of written communication to express oneself; Be able to read and understand professional articles and use the acquired information for further work. Be able to understand phrases and expressions pronounced and communicate in simple every day.</p> <p>UNIT – I</p> <ul style="list-style-type: none"> ▪ Prerequisite: Basic knowledge of English Language. ▪ Communication: Meaning & Process of Communication, Types of Communication, ▪ Grammar: Parts of Speech, Use of tenses & Modals. ▪ Reading: Steps for Effective Reading, Meaning of Comprehension, Steps for developing skills for Comprehension; Précis Writing. 	Lecture with ppt, Whiteboard
2	<p>UNIT- II</p> <ul style="list-style-type: none"> ▪ Reading: Steps for Effective Reading, Meaning of Comprehension, Steps for developing skills for Comprehension; Précis Writing. 	Lecture with ppt, Whiteboard
3	<p>UNIT-III</p> <ul style="list-style-type: none"> ▪ Writing: Importance of Letter Writing, Important Features of a Business Letter, Layout of a Business Letter, Types of Business Letters; Preparing of Biodata, CV & Resume; Advertisement. 	Lecture with ppt, Whiteboard
4	<p>UNIT- IV</p> <ul style="list-style-type: none"> ▪ Speaking: Oral Presentation, Debates, Group Discussion, Telephonic Conversation, Interview. 	Lecture with ppt, Whiteboard
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Rajendra Pal & J. S. Korlahalli	Essentials of Business Correspondence	Sultan Chand & Sons
2	Betty Schramper Azar	Basic English Grammar	Pearson ESL; 2nd edition.

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	I Semester
Course Code and Name	BID 108: Environmental Studies - I
Credits	2 (L-2-T-0-P-0)
Contact Hours Per Week	02

A. COURSE OUTCOMES(COs):

- CO1: Develop environmental scientists and engineers and sensitize them towards environmental issues. (BL1)
- CO2: To acquire analytical skills in assessing environmental impacts through a multidisciplinary approach. (BL2)
- CO3: Ability to distinguish between various methods of various pollution analysis. (BL3)
- CO4: Acquire expertise and skills needed for the Environmental Management Systems and techniques of monitoring, Environment audit, Environmental Impact Analysis, environment instrumentation and control systems and for the projects development, implementation, and maintenance. They also able to develop projects in view of Socio Cultural and behavioral aspects of Energy production and environmental changes The trained manpower in Environmental and Waste Management provide the environmental Auditors/Managers/Consultants. (BL4)
- CO5: Students acquire skills for to communicate, prepare, plan and implement the environmental management project. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams-One midterm exam is of 20 Multiple CO1-CO5 choice-based questions. Second midterm exam consist of 5 subjective questions with internal choice	CO1-CO5	BL1- BL5
2	Application Based Activity/Simulation/Hardware	CO3, CO4 & CO5	BL3, BL4 & BL5
3	Project Based Learning (Group of 2-3 students)	CO4-CO5	BL4-BL5
4	Flip Class Room/seminar/Poster/Quiz/Video Lectures	CO1, CO2&CO3	BL1, BL2 & BL3
5	Workshop/Internship/Certification course/Research paper	CO1-CO5	BL1- BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: Should be acquainted with the basic's knowledge of environment and its management</p> <p>UNIT – I</p> <ul style="list-style-type: none"> Environment – Definition and its segments, (Lithosphere, Hydrosphere, Atmosphere and Biosphere) Ecology and Ecosystem: Basic concepts, functions of ecosystem, Energy Flow, Food chain, food web, Ecological Pyramids, Ecological Successions. Environmental Impact Assessment: Screening, Scoping, Base line Analysis, Impact Mitigation, Documentation, Review, Public hearing, Post Project Monitoring. 	Lecture with ppt., Diagrams, Flowchart depiction on whiteboard during online/offline lectures, Audio/Video clips, Group discussion.
2	<p>UNIT – II</p> <ul style="list-style-type: none"> Natural Resources – Classification, Water Resources and Forest Resources. Energy Resources- Classification-Conventional resources Non-conventional resources. 	Lecture with ppt., Diagrams, Flowchart depiction on whiteboard during online/offline lectures, Audio/Video clips, Group discussion.
3	<p>UNIT – III</p> <ul style="list-style-type: none"> Water pollution – sources & effects, characteristics and treatment of waste water. Soil pollution, effects and abatements. Noise pollution, effects and abatements. A case study of Anupam Mishra (Ponds are still relevant, Saaf Maathe Ka Samaj, Rajasthan Ki Rajat Bunden & Paryavaran Ke Path). 	Lecture with ppt., Diagrams, Flowchart depiction on whiteboard during online/offline lectures, Audio/Video clips, Group discussion.
4	<p>UNIT – IV</p> <ul style="list-style-type: none"> Air pollution classification, sources and toxic effects of air pollutants, dispersal of air pollutants. Air pollutants with emphasis on reactive intermediates in atmosphere like Greenhouse gas effect, Global warming, Climate change, Acid rain, Ozone layer depletion and Photochemical smog. 	Lecture with ppt., Diagrams, Flowchart depiction on whiteboard during online/offline lectures, Audio/Video clips, Group discussion.
5	<p>UNIT – V</p> <ul style="list-style-type: none"> The students are expected to be engaged in some of the following or similar identified activities: Discussion on one national and one international case study related to the environment and sustainable development. Field visits to identify local/regional environmental issues, make 	Lecture with ppt., Diagrams, Flowchart depiction on whiteboard during online/offline lectures,

	observations including data collection and prepare a brief report. <ul style="list-style-type: none"> ▪ Participation in plantation drive and nature camps. ▪ Documentation of campus biodiversity. ▪ Campus environmental management activities such as solid waste disposal, water Management and sanitation, and sewage treatment. 	Audio/Video clips, Group discussion.
Total = Lectures		

D. Text Book:

S.No.	Author	Title	Publisher & Edition
1.	B. S. Chauhan	Environmental Science	Firewall Media, 2008
2.	Cunningham and Cunningham	Environmental Science	McGraw-Hill Education; 13th edition (16 February 2014)
3.	S. K. Dhameja	Environmental Engineering	S. K. Kataria & Sons, 2009
4.	Richard T Wright	Environmental Science	Benjamin-Cummings Pub Co
5.	Anupam Mishra	The Ponds are still relevant (Aaj Bhi Khare Hain Taalab)	
6.	Anupam Mishra	Rajasthan Ki Rajat Bunden	

E. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Howards S Peavy, Donald R Rowe, T. George	Environmental Engineering	
2	Gilbert M. Master	Environmental Science & Engineering	
3	Stanley	Environmental Chemistry	
4	Anupam Mishra	The Ponds are still relevant (Aaj Bhi Khare Hain Taalab)	



II - SEMESTER



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 201: Basic of Design - II
Credits	4 (L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES (COs):

- CO1: To Remember a basic skill at putting observations in hand drawing formats. (BL1)
- CO2: To Understanding design principles through study of nature. (BL2)
- CO3: To apply principles of design in creation of 2d and 3d compositions. (BL3)
- CO4: To analyze the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: To evaluate the other fields of arts along with the drawing, painting, calligraphy, architecture, sculpture, etc. (BL5)
- CO6: To Visual comprehension of design in real life. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL 6
2	Project Based Learning	CO1-CO5	BL1-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO5	BL1-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: The concepts shall be introduced through hands on exercises (regular studio work) on 2d and 3d compositions, material, and color explorations</p> <p>UNIT – I - Abstract Nature</p> <ul style="list-style-type: none"> Exploring form in nature. 2d- 3d drawings, 3d models. Abstracting elements/forms. Camouflage. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
2	<p>UNIT – II - Visual Movement</p> <ul style="list-style-type: none"> Exploration through 2 D and 3d compositions. Material exploration. Exploration through kinetic sculptures. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
3	<p>UNIT – III - Gestalt Principles of Organization</p> <ul style="list-style-type: none"> Gestalt principles. Examples of gestalt in the real world. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
4	<p>UNIT – IV - Light & Color</p> <ul style="list-style-type: none"> Color theory. Additive/subtractive theory. RGB/CMYK. Color as a function of light. Light & pigments. Value. Tint. Hue. Explorations of color schemes. Relationships: color/form, color/texture. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
Total = Lectures		



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 202: Drawing - II
Credits	3 (L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES (COs):

- CO1: Remembering of polyhedrons of different types. (BL1)
- CO2: Understanding the geometries of 3d construction. (BL2)
- CO3: Applying of skills for drawing human activity. (BL3)
- CO4: Analyzing of the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: Evaluation of the other fields of arts along with the drawing, painting, calligraphy, architecture, sculpture, etc. (BL5)
- CO6: Creation of compositions with polyhedrons. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL 6
2	Project Based Learning	CO1-CO5	BL1-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO6	BL1-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: The concepts shall be introduced through hands on exercises (regular studio work) on 2d and 3d compositions and sketching</p> <p>UNIT – I – Geometrical Construction</p> <ul style="list-style-type: none"> ▪ Polytopes. Construction of simple polyhedrons. Surface modelling. ▪ Role of light in shading of polytopes. ▪ A creative field inspired design by composition of polytopes. 	White Board, Sketchbook
2	<p>UNIT – II – Geometric Forms in Composition</p> <ul style="list-style-type: none"> ▪ Composition of 3d geometrical forms. ▪ Types of Polyhedrons. ▪ Composition of various polyhedrons in a creative product. ▪ Tessellation ▪ Creation of regular and irregular patterns with tessellations. ▪ Either rendering or sketching in the polyhedrons and the creative product. 	White Board, Sketchbook
3	<p>UNIT – III – Sociography</p> <ul style="list-style-type: none"> ▪ Drawing of shade in Objects, buildings linear materials, in nature. ▪ Drawing of shadows in Objects, buildings linear materials, in nature. 	White Board, Sketchbook
4	<p>UNIT – IV – Human Drawing</p> <ul style="list-style-type: none"> ▪ Drawing of single and multiple human figures in various activities – sitting, running, dancing, sports. 	White Board, Sketchbook
5	<p>UNIT – V – Perspectives</p> <ul style="list-style-type: none"> ▪ One point & two-point perspectives of complex spaces. ▪ Three and four – point perspectives of complex spaces. ▪ Fish eye view. 	White Board, Sketchbook
Total = Lectures		



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 203: Materials - II
Credits	2 (L-0-T-0-P-4)
Contact Hours Per Week	04

A. COURSE OUTCOMES (COs):

- CO1: To remember about the various materials used in interior construction. (BL1)
- CO2: To Understanding the basic characteristics of materials as an input resource of design. (BL2)
- CO3: To apply the Understanding of traditional and contemporary technologies. (BL3)
- CO4: To analyze a curious outlook towards exploring materials. (BL4)
- CO5: To evaluate the other fields of arts along with the drawing, painting, calligraphy, architecture, sculpture, etc. (BL5)
- CO6: To create a technical outlook towards sustainability. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL 6
2	Project Based Learning	CO1-CO5	BL1-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO5	BL1-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: The topics shall be dealt through lectures, presentations and site visits supplemented by market surveys and supplemented by workshops.</p> <p>UNIT – I - Wood and Wood Based Products</p> <ul style="list-style-type: none"> Natural wood and wood finishes. Veneers. Plywood's. Composite boards. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
2	<p>UNIT – II - Stones and Composite Materials</p> <ul style="list-style-type: none"> Types of stone in interiors. Composite materials such as ceramic tiles, composite tiles, etc. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
3	<p>UNIT – III - Metals & Plastics</p> <ul style="list-style-type: none"> Properties. Metals and plastic products used in interior design. Flooring/ ceiling tiles 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
4	<p>UNIT – IV - Cement Based Materials</p> <ul style="list-style-type: none"> Lime. Types of cement. Concrete: properties and use. Cement based products 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
5	<p>UNIT – IV - Innovation for Sustainable</p> <ul style="list-style-type: none"> Reduce/Re-use/Recycle. Understanding the embodied energy concept of materials. 	Lecture with ppt, video clips, Reading Material to be provided separately, Group discussion
Total = Lectures		



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 204: Design Process
Credits	2(L-0-T-0-P-4)
Contact Hours Per Week	04

A. COURSE OUTCOMES (COs):

- CO1: Remember the brief on the background of the production team. (BL1)
- CO2: Understand how the Design process works at each step. (BL2)
- CO3: Demonstration of the process through case study. (BL3)
- CO4: Analysis the difficulties that occur at the time of sampling. (BL4)
- CO5: Assess the knowledge of various design process at each step. (BL5)
- CO6: Create Industrial case study. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL 6
2	Project Based Learning	CO1-CO5	BL1-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO5	BL1-BL5

C. COURSE CONTENT:

Unit	Contents	Pedagogy
1	Unit - I - Evaluate Design Process <ul style="list-style-type: none"> Analyze the prototype sample along with the design team. Coordinate with the design team to check sample against the techpack given to the sampling merchandiser, the look and feel and fit of the sample. Identify the prototype for the flexibility of the garment in terms of sourcing of fabric and the trims available for the span of production. 	PPT, Industry Visit and case study.
2	Unit - II - Evaluate Development Process <ul style="list-style-type: none"> Identify various products testing to proceed with prototype. Incorporate modification of the sample until approval for final production. Get approval on prototype/ final techpack, agreement finalized with the client. 	PPT, Industry Visit and case study.
3	Unit - III - Complete Documentation <ul style="list-style-type: none"> Document design brief, development processes and outcomes. Complete Documentation processes, including filing and storing. Construct the prototype and given to concerned dept for better understanding on the product, if required. 	PPT, Industry Visit and case study.
4	Unit - IV - Organization Process <ul style="list-style-type: none"> Organization's policies, procedure and priorities for your era of work and your role and responsibilities in carrying out your work. Limits of your responsibilities when coordinating with other departments. Your specific work Requirements and who these must be agreed with. 	PPT, Industry Visit and case study.
Total = Lectures		

E. REFERENCE BOOKS:

S.No.	Author	Title	Publisher & Edition
1.	Karl Aspelund	The Design Process	
2.	Bryan Lawson	How Designers Think: The Design Process Demystified	



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 205: History of Design - II
Credits	3(L-2-T-1-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Remember students with theoretical tools of understanding art and culture. (BL1)
- CO2: Understands the visual language and vocabulary of different movements. (BL2)
- CO3: Apply the basics of art to your work. (BL3)
- CO4: Analyze the influence of personal, political, sociological and religious factors behind each creation. (BL4)
- CO5: Able to research and explore the connections between art, design and aesthetics. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Indian Architecture <ul style="list-style-type: none"> Indian architecture the focus should be on evaluation of interior spaces, surface finishes, ornamentation, wall paintings etc. 	Lecture with ppt, Whiteboard
2	UNIT– II – Classical World and Oriental Influences <ul style="list-style-type: none"> Greek, roman, architecture and eastern influences – china and japan. 	Lecture with ppt, Whiteboard
3	UNIT – III – From the Middle Ages to Renaissance <ul style="list-style-type: none"> Early Christian and byzantine, Romanesque and gothic, renaissance. 	Lecture with ppt, Whiteboard
4	UNIT – IV – Decorative Styles <ul style="list-style-type: none"> Ornamentation and decoration – baroque, rococo, and other royal styles. 	Lecture with ppt, Whiteboard
5	UNIT – V – Application of Styles in Interiors <ul style="list-style-type: none"> Exercises involving mix and match across styles involving eclectic compositions across typologies and themes. 	Lecture with ppt, Whiteboard, Exercises
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Sir Banister Fletcher	A History of Architecture	CBS Publications (Indian Edition), 20th Edition (2002).
2	Pile F. John	A History of Interior Design	Wiley, New York, 4th Edition



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 206 Visual Communication - I
Credits	2 (L-0-T-0-P-4)
Contact Hours per week	04

A. COURSE OUTCOMES (COs):

- CO1: Remembering of polyhedrons of different types. (BL1)
- CO2: Understanding the geometries of 3d construction. (BL2)
- CO3: Applying of skills for drawing human activity. (BL3)
- CO4: Analyzing of the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: Evaluation of the other fields of arts along with the drawing, painting, calligraphy, architecture, sculpture, etc. (BL5)
- CO6: Creation of compositions with polyhedrons. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL 6
2	Project Based Learning	CO1-CO5	BL1-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO6	BL1-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Computer Orientation <ul style="list-style-type: none"> ▪ Introduction to Computer Hardware & Software ▪ Basic functions of File Management: Managing Windows Explorer; Creating, moving, renaming and deleting folders and files. ▪ Understanding file extensions; Viewing storage devices and network connections. Introduction to the Internet ▪ The role of Internet in design process flow, Internet Browsers, Internet Tools, Search Engines. 	Laptop
2	UNIT – II – Microsoft Word & Excel <ul style="list-style-type: none"> ▪ Using templates to create new documents ▪ Creating and editing text, Formatting text, pages, and paragraphs ▪ Adding headers, footers, and page numbers, ▪ Applying styles and themes to documents ▪ Creating bulleted and numbered lists ▪ Working with tables, macros, and building blocks ▪ Illustrating documents, Proofing, reviewing, and printing documents ▪ Working with Excel interface, entering data, formatting rows, columns, cells, and data, ▪ Working with alignment and text wrap, creating formulas and functions, Finding and replacing data, ▪ Printing and sharing worksheets, ▪ Creating charts and PivotTables, Inserting and deleting sheets 	Laptop
3	UNIT – III – Microsoft PowerPoint <ul style="list-style-type: none"> ▪ Understanding presentation and types of presentation. ▪ Creating presentations from themes and templates ▪ Using and editing slide masters ▪ Changing the layout or theme ▪ Adding pictures, objects, shapes, diagrams, and chart, ▪ Working with bullet points, text boxes, and tables, incorporating video, audio, and animation, adding speaker notes and comments ▪ Revising and Running a slideshow ▪ Reusing and sharing PowerPoint presentations 	Laptop
Total = Lectures		

D. Reference Book:

S.No.	Author	Title	Publisher & Edition
1.	Bittu Kumar	Mastering M S Office	
2.	M. L. Humphrey	Microsoft Office 2019 Beginner	
3.	Conard Chavez	Adobe Photoshop Classroom in a Book	
4.	Satish Jain	Corel Draw Training Guide	

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	II Semester
Course Code and Name	BID 208: Environmental Studies - II
Credits	2 (L-2-T-0-P-0)
Contact Hours Per Week	02

A. COURSE OUTCOMES(COs):

- CO1: To impart knowledge and concepts of disaster, disaster management and disaster risk reduction. (BL1)
- CO2: To enhance the students understanding on Hazard Vulnerability and Risk Analysis. (BL2)
- CO3: To develop positive attitude towards practical response to different stages of disaster management by adopting advance technology and sustainable development. (BL3)
- CO4: To ensure disaster response skills in assessment, analysis, intervention and evaluation in the Practice of reducing disaster risk. (BL4)
- CO5: To apply the National Acts and policies for mitigating disasters. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO4	BL1-BL4
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster/case study	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Prerequisite: Students of UG Disaster Management must have extensive knowledge, understanding, and a strong interest in philanthropy, disaster management, sustainable development, climate change, and the global disaster management situation, causes, and effects.</p> <p>UNIT – I</p> <ul style="list-style-type: none"> Hazards and disasters - Concepts, (Disaster, Hazard, Vulnerability, Resilience, Risks, Capacity buildings). Classification of disaster: geophysical, hydrological, climatological, meteorological, biological and technological or man-made hazards. Causes, Impacts including social, economic, political, environmental, health, psychosocial, etc. 	Whiteboard, PPT, Video
2	<p>UNIT – II</p> <ul style="list-style-type: none"> Disaster vulnerability profile of India - Specific to geographical regions and states (as per regional significance). Differential impacts- in terms of caste, class, gender, age, location, disability. Global trends in disaster: urban disasters, pandemics, complex emergencies, Climate change. 	Whiteboard, PPT, Video
3	<p>UNIT – III</p> <ul style="list-style-type: none"> Disaster management cycle – Components of disasters management - Preparedness of rescue & relief, mitigation, rehabilitation & reconstruction and preparedness. Community based DRR, Structural- nonstructural measures, Roles and responsibilities of community, Panchayati Raj Institutions/Urban Local Bodies (PRIs/ULBs), States, Centre, and other stakeholders. Institutional framework of disaster management in India (NDMA-SDMA-DDMA, NDRF, Civic volunteers, NIDM), 	Whiteboard, PPT, Video
4	<p>UNIT – IV</p> <ul style="list-style-type: none"> Factors affecting Vulnerabilities, differential impacts, impact of Development projects such as dams, embankments, changes in Land-use etc. Climate Change and adaptation. Relevance of indigenous knowledge, appropriate technology and local resources. 	Whiteboard, PPT, Video
5	<p>UNIT – V</p> <ul style="list-style-type: none"> Disaster Management Indian scenario, India's vulnerability profile, Disaster Management Act 2005 and Policy guidelines, Environmental Legislation for Disaster Risk Management in India. Role of information technology in disaster management. Role of NGOs. Cases Studies: Bhopal Gas Disaster, Gujarat Earth Quake, Orissa Super-cyclone, South India Tsunami, Bihar floods, Plague Surat, COVID-19 pandemic. 	Whiteboard, PPT, Video
Total = Lectures		

D. Text Book:



S.No.	Author	Title	Publisher & Edition
1.	Singhal J.P.	Disaster Management	Laxmi Publications, 2010.
2.	Tushar Bhattacharya	Disaster Science and Management	McGraw Hill India Education Pvt. Ltd., 2012.
3.	Gupta Anil K, Sreeja S. Nair	Environmental Knowledge for Disaster Risk Management	NIDM, New Delhi, 2011
4.	Kapur Anu	Vulnerable India: A Geographical Study of Disasters,	IIAS and Sage Publishers, New Delhi, 2010.

E. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Singh, R.	Disaster Management Guidelines for Earthquakes, Landslides, Avalanches and Tsunami.	Horizon Press Publications, 2017.
2	Taimpo	Disaster Management and Preparedness.	CRC Press Publications, 2016.
3	Nidhi, G. D.	Disaster Management Preparedness.	CBS Publications Pvt. Ltd, 2014.
4	Gupta, A. K., Nair, S. S., Shiraz, A. and Dey, S.	Flood Disaster Risk Management	CBS Publications Pvt. Ltd. 2013.
5	Singh, R.	Disaster Management Guidelines for Natural Disasters.	Oxford University Press Pvt. Ltd. 2016.



III - SEMESTER



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	III Semester
Course Code and Name	BID 301: Interior Design Studio -I
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES (COs):

- CO1: Remember a basic skill at putting observations in hand drawing formats. (BL1)
- CO2: Understanding of the process of Interior design. This includes the basic principles of Interior design including how to design and define a space using Interior elements. (BL2)
- CO3: Identify & analyse design principles and integrate into spatial compositions. (BL3)
- CO4: Analyze the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: Assess cultural, regional, and historical interior design styles and factors that affect design solutions. (BL5)
- CO6: Create simple design applications for special populations. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva	CO1-CO6	BL1-BL6
3	PBL-Project Based Learning Assignment	CO2-CO5	BL2-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Intend: To introduce the basics of designing for Residential interiors and to develop skills required for the same.</p> <p>UNIT – I – Basics of Space Planning</p> <ul style="list-style-type: none"> Space /Function /Circulation Function Residences- Ambient Light/ Temperature/ Comfort 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	<p>UNIT – II- Kitchen and Hardware</p> <ul style="list-style-type: none"> Introduction Kitchen, Kitchen Work triangle, planning for activity – anthropometrics – types of kitchens- Modular kitchens: --Materials used Modular kitchens, components basis of Construction involving, layouts, car case, hardware selection, fixing details finishes and special types such as tall units, grain trolleys, and carousels fold outs etc. A detailed project involving the design of a small kitchen using modular components in counters, shelves, worktops, washing areas & their comparative study. Lighting & colour scheme – natural & artificial light. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
3	<p>UNIT – III – Toilet & Hardware</p> <ul style="list-style-type: none"> Introduction Toilet, Types of toilet design, Anthropometry – various types of toilets and various types of sanitary ware and their use Types of layouts – Functional and Service Considerations. Concepts in modern day toilet interiors, materials, color, design and pattern. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
4	<p>UNIT – IV- Bedrooms & Living Room</p> <ul style="list-style-type: none"> Concepts in bedroom & living room interiors various layout of these spaces the use of furniture and accessories to create a certain type of ambience materials & finishes – lighting. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
5	<p>UNIT -V Residence (Additional space)</p> <ul style="list-style-type: none"> Holistic concepts in residential interiors – ability to integrate various individual spaces into one theme – treatment of patios, courtyards, verandas & other semi sheltered spaces – integration of built form and open spaces 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Fiona Leslie	Designs for 20 th century Interiors	VH Publications, London,2000.
2	Jonathan Poore	Interior Color by design	Rockport Publishers,1994.
3	Barbaralec Diamonstein	Interior Design: The New Freedom	Rizzoli International Publications, New York, 1982.



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	III Semester
Course Code and Name	BID 302: Furniture Design-I
Credits	04 (L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES (COs):

- CO1: Understanding Basic Requirements of the various materials used in furniture. (BL1)
- CO2: Recognize the importance of wise decision making in selection, use and care of home furnishings. (BL2)
- CO3: use the contribution of furnishings in satisfying family living. (BL3)
- CO4: relate the multiple use of furniture keeping the constraints of available space. (BL4)
- CO5: Evaluate the design concepts with appropriate terms and reflect the design by developing design of different categories. (BL5)
- CO6: Design in context of Spaces of comfort and spatial quality. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva-Minor Design Assignment/Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL-Project Based Learning Assignment (Individual or Group of 2-3 students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Intent: To provide the students' knowledge on History of Furniture Design and various aspects involved in the design of furniture for various spaces.</p> <p>UNIT- I - History of Furniture Style</p> <ul style="list-style-type: none"> Introduction of furniture, what is Furniture, Different types of furniture Sketches of period Furniture 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	<p>UNIT- II- Anthropometric</p> <ul style="list-style-type: none"> Determination of body composition, Study of Anthropometry & Design criteria involved in the design of Sofa, settee, couch, etc. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
3	<p>UNIT- III - Materials - Market Survey</p> <ul style="list-style-type: none"> Materials & finishes – Wood, Glass, Metal, Plastics and Upholstery - include various finishes. Market survey of furniture materials, furniture finishes and furnishing 	Lecture with Ppt, Studio Sessions, Live Sketching, Workshop
4	<p>UNIT – IV – Furniture Detailing</p> <ul style="list-style-type: none"> Detailed drawings of different types of furniture. Residence, Office and Commercial Furniture -Table, chair, bed, Almirah, Dining table, Reception Table, Office Table, Furniture etc. Isometric of Furniture Units. Furniture-Table, chair, bed, Almirah, Dining table, Reception Table etc. Market survey of furniture material 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
5	<p>UNIT – V - Preparing Furniture Models</p> <ul style="list-style-type: none"> Scale Model and Furniture. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1.	Charlotte and Peter Fiell	Modern Furniture Classics	Since 1945, Thames & Hudson
2.	Darby Tom	Making fine furniture	Guild of master craftsman Publication
3.	Grandjean E.	Fitting the task of the Man	Taylor & Francis, London, 1988



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	III Semester
Course Code and Name	BID 303: Materials & Construction – III
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES (COs):

- CO1: To get the basic understanding of the types of doors, staircases, partitions etc (BL1)
- CO2: To apply the basic understanding of appropriate materials with respect to the layout and the economics (BL2)
- CO3: To analyze the differentiate the various partitions, stairs fitting in the domestic setup. (BL3)
- CO4: To evaluate the market trends and availabilities. (BL4)
- CO5: To stimulate students to create their own detailed technical layouts. (BL5)
- CO6: To develop understanding of construction techniques and ability to express ideas. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva-Minor Design Assignment/Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL-Project Based Learning Assignment (Individual or Group of 2-3 students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	Prerequisite: To familiarize the students of Interior Design on material and construction methodology UNIT– I - Doors <ul style="list-style-type: none"> Types including, openable, sliding, folding pivoted Lodged and braced, paneled doors, glazed doors, Joinery details for doors. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	UNIT – II - Partitions / Wall Paneling / Wall Cladding <ul style="list-style-type: none"> Details of fixed, sliding and sliding and folding partitions with wood, steel and aluminum frames & panels in glass, particle board, MDF, gypsum board and plywood. Paneling – Using wooden planks, laminated plywood, cork sheets, fiber glass wool & fabric for sound insulation and wall paneling for thermal insulation. cladding- brick, stone, A.C.P. wood, tiles, cement. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions
3	UNIT– III - Tiled Roofs & Tiles <ul style="list-style-type: none"> Drawings indicating various types of sloped & hipped roof Types of sloping roof –lean to & couple roof with Mangalore tiles, country tiles & pan tiles. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
4	UNIT – IV – Staircase <ul style="list-style-type: none"> Types according to profile – straight flight, doglegged, quarter turn, half turn, bifurcated, spiral & helical. Types based on materials (timber, wood, steel, synthetic materials). Details of handrails & balusters. Designing and detailing for physically handicapped 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
5	UNIT – V - Stainless Steel in Railing <ul style="list-style-type: none"> Identification, selection, application, types & tools 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	S.C Rangwala	engineering materials	Charotar publishing, Anand 1982
2	W.B Mckay	building construction, VOL 1-4 ,	Longmans, u.k 1981



3	Dr. B.C Punamia	building construction ,	Laxmi publications Pvt. Ltd., New Delhi, 1993.
4	M.S Shetty	concrete technology	S. Chand & co . Ltd ., New Delhi , 1986



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	III Semester
Course Code and Name	BID 304: Computer Design – I
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES(COs):

- CO1: Be able to learn presentation of drawing in digital forms using various software's. (BL1)
- CO2: Introducing various software's for presenting interiors views. (BL2)
- CO3: Student will be able to demonstrate the basic knowledge of computer operating system. (BL3)
- CO4: Analyze on the solid modeling techniques in the software. (BL4)
- CO5: Evaluate the theory behind 3D modeling with wireframe structures. (BL5)
- CO6: To stimulate students to create the rendering and presentation techniques for a drawing. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva - (Minor Design Assignment/ Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment (Individual or Group Of 2-3 Students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT– I – Software’s for Drawings <ul style="list-style-type: none"> Introduction and commands under various menu, task and tool bars and their application to draw computer aided drawing and saving soft copy file of objects given, with use of appropriate input device. 	Lecture with ppt, Whiteboard, Lab session
2	UNIT – II – Drawing with Software <ul style="list-style-type: none"> Preparing 2D/3D drawing of given project using software along with use of appropriate sequence set and input method of commands with reference to relevant software like AutoCAD etc. 	Lecture with ppt, Whiteboard, Lab session
3	UNIT – III – Presentation of Drawing with Software <ul style="list-style-type: none"> Presentation of drawing of given project using software along with use of appropriate sequence set and input and output commands with reference to relevant software. 	Lecture with ppt, Whiteboard, Lab session
4	UNIT – IV – Handling of Drawing with Software <ul style="list-style-type: none"> Handling of software with reference to license copy; Saving and backing up files; Updating; Importing and exporting from and to appropriate addresses and file types; Data storage & data transfer; care & precautions to be taken.. Handling of hardware with reference to battery backup, maintenance, servicing, cleaning, ordering & refilling cartridges; Care & precautions to be taken etc. 	Lecture with ppt, Whiteboard, Lab session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Elise Moss	Autodesk AutoCAD 2016 Fundamentals	
2	George Omura	Mastering Autocad 2016	



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	III Semester
Course Code and Name	BID 305: Interior Services - I
Credits	3(L-2-T-1-P-0)
Contact Hours per week	03

A. COURSE OUTCOMES(COs):

- CO1: Remembers the sanitary system suitable for the student in terms of arrangement and economy. (BL1)
- CO2: The basic information on building regulations, water supply, building drainage and rainwater harvesting. (BL2)
- CO3: Applies basic knowledge of proper hygiene in layout and economics. (BL3)
- CO4: Analyze the separation of different plumbing systems in a home installation. (BL4)
- CO5: Evaluate the market trends and availabilities. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Water Supply in Buildings <ul style="list-style-type: none"> Standard of portable water and methods of removal of impurities, Consumption or demand of water for domestic purposes, Service connection from mains, House-service design, tube well, pumping of water, types of pumps, cisterns for storage. 	Lecture with ppt, Whiteboard
2	UNIT– II – Building Drainage <ul style="list-style-type: none"> Layout, Principles of drainage, Trap type, materials and functions, Inspection chambers, Design of Septic tanks and soak pits, Ventilation of house drains Anti-syphon age or vent pipes, One and two pipe systems Sinks, bath tub, water closets, flushing cisterns, urinals, wash basins, bidet, shower panel etc. 	Lecture with ppt, Whiteboard
3	UNIT – III – Plumbing <ul style="list-style-type: none"> Common hand tools used for plumbing and their description and uses, Joints for various types of pipes, Sanitary fitting standards for public conveniences. Different types of pipes and accessories for water supply, controlling fixtures like valves, taps, etc. Fittings and Choice of materials for piping: cast iron, steel, wrought iron, galvanized lead, copper, cement concrete and asbestos pipes, PVC pipes Sizes of pipes and taps for house drainage, Testing drainage pipes for leakage - smoke test, water test etc., CI pipes for soil disposal and rain water drainage, wrought iron, steel and brass pipes. Rain water disposal drainage pipes spouts, sizes of rainwater pipes. 	Lecture with ppt, Whiteboard
4	UNIT – IV – Solid Waste Disposal <ul style="list-style-type: none"> Solid wastes collection and removal from buildings. On-site processing and disposal methods. Aerobic and Anaerobic decomposition. 	Lecture with ppt, Whiteboard
5	UNIT – V – Services Studio & Rain Water Harvesting <ul style="list-style-type: none"> Preparation of plumbing layout of a single-story building & working drawing of various fittings and fixtures of water supply, sanitary installations and rain water harvesting etc. 	Lecture with ppt, Whiteboard Individual and Group Discussions, studio session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	S.C. Rangwala	Water supply and sanitary engineering	Charotar publishing house
2	Charangith shah	Water supply and sanitary engineering	Galgotia Publishers
3	A Kamala & DL Kanth Rao	Environmental Engineering,	Tata McGraw – Hill publishing Company Limited

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	III Semester
Course Code and Name	BID 306: Elective – III (Interior Accessories and Product Design)
Credits	3(L-3-T-0-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Remembers the interior accessories and its role in interiors. (BL1)
- CO2: The basic understanding on color theory in interior decoration. (BL2)
- CO3: Applies basic knowledge of system thinking for concepts of components. (BL3)
- CO4: Analyze the various methods in problem identification. (BL4)
- CO5: Evaluate the market trends and availabilities. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Introduction <ul style="list-style-type: none"> Introduction to interior accessories, Furniture, Wall paintings, Mural, Lights, Plants and artifacts. Accessories in wall, Floor, Ceiling and cultural products. Material and process-based textures, construction-based textures, pigmented textures. Gradation on flat Surface, Introduction of highlights and shadows. 	Lecture with ppt, Whiteboard
2	UNIT– II – Color and Finishes <ul style="list-style-type: none"> Color of accessories, Texture in walls, Fabric accessories, Pattern, Wooden finishes, Curtains, Drapes, Blinds, Finials, Cornice, and decorative elements. 	Lecture with ppt, Whiteboard
3	UNIT – III – Product <ul style="list-style-type: none"> Definitions of material, process and product. History and examples of product design. Fundamentals of product development cycle. Concept of end user. Defining user groups. Concept of market. Defining the market gap. 	Lecture with ppt, Whiteboard
4	UNIT – IV – Problem Identification <ul style="list-style-type: none"> Problem identification and definition. Scenario Building. Mind Maps and Metaphors. Definition of a solution. Ideation, conceptualization and representation of solutions. 	Lecture with ppt, Whiteboard
5	UNIT – V – Concepts and Design <ul style="list-style-type: none"> Introduction to system Thinking; Definition of a system; Concepts of component, connection, transaction and transformation; Boundary and boundary conditions; Concepts of input, activity, response and output; Metaphors; Introduction to Static and dynamic maps; 	Lecture with ppt, Whiteboard Individual and Group Discussions, studio session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Katherine S. Willis	Net spaces: Space and Place in a Networked World,	Routledge, 2017
2	Alan Pipes	Foundation of Art and Design	Lawrence King Publishing, 2008
3	Don Norman	Design of Everyday Things	Basic Books, 2014



IV - SEMESTER



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	IV Semester
Course Code and Name	BID 401: Interior Design Studio –II
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES (COs):

- CO1: Remember a basic skill at putting observations in hand drawing formats. (BL1)
- CO2: Understanding of the process of Interior design. This includes the basic principles of Interior design including how to design Commercial projects and define a space using Interior elements. (BL2)
- CO3: Identify & analyse design principles and integrate into (BL3)
- CO4: Analyze the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: Assess cultural, regional, and historical interior design styles and factors that affect design solutions. (BL5)
- CO6: Create simple design applications for special populations. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL6
2	Progressive Evaluation and Internal Viva	CO1-CO6	BL1-BL6
3	PBL-Project Based Learning Assignment	CO2-CO5	BL2-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Intend: To introduce the basics of designing for Commercial interiors and to develop skills required for the same.</p> <p>UNIT – I – Basics of commercial Space Planning</p> <ul style="list-style-type: none"> ▪ Space /Function /Circulation ▪ Function Commercial- Light/ Temperature/ Comfort 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	<p>UNIT – II- Study Anthropometry & Concept</p> <ul style="list-style-type: none"> ▪ Study anthropometry for commercial space. ▪ The projects that help the students to identify the design process through various methods of concept development. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
3	<p>UNIT – III – Commercial Space Design</p> <ul style="list-style-type: none"> ▪ Project Typology: ▪ Shops, ▪ Cafeteria, ▪ Primary healthcare centers, ▪ Clinics, ▪ Schools, ▪ Boutiques, etc. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
4	<p>UNIT – IV- Working Drawings</p> <ul style="list-style-type: none"> ▪ Working Drawings for the Commercial Projects. ▪ Plan, Elevation, Sections, Flooring design, ceiling design, Interior Materials. ▪ Market survey. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
5	<p>UNIT -V Model making</p> <ul style="list-style-type: none"> ▪ Scale model 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Fiona Leslie	Designs for 20 th century Interiors	VH Publications, London, 2000.
2	Jonathan Poore	Interior Color by design	Rockport Publishers, 1994.
3	Barbara Leck Diamondstein	Interior Design: The New Freedom	Rizzoli International Publications, New York, 1982.



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	IV Semester
Course Code and Name	BID 402: Advanced Furniture Design - II
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES(COs):

- CO1: Identification of various types of Concepts of furniture. (BL1).
- CO2: Understanding of the importance of furniture's in interior & exterior uses. (BL2)
- CO3: Using of the knowledge in creating furniture & design ideas for interior design. (BL3)
- CO4: Comparison of the accessories use in the furniture materials & fresh materials. (BL4)
- CO5: Summarization of the various furniture and their history of the products & materials. (BL5)
- CO6: Combining parts of design & products and assemble it and create new products. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL6
2	Project Based Learning	CO2-CO5	BL2-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO6	BL1-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I - Furniture Technology and Details <ul style="list-style-type: none"> Physical, behavioral and visual properties of furniture and interior. Construction and specification - furniture and interior related space, detailed joineries, surface finishing. Study of material application. Their form and properties. 	Whiteboard, PPT, Videos, Visit Etc.
2.	UNIT – II - Types of Furniture & Basic Layout <ul style="list-style-type: none"> Types of furniture – Built in furniture – Movable furniture – Systems furniture – Specially Designed furniture – Readymade furniture – Modular, Knockdown & Economy Furniture. Traffic pattern and furniture layout for residence, commercial and office areas. 	Whiteboard, PPT, Videos, Notes, books, Market visit
3.	UNIT – III - Product <ul style="list-style-type: none"> Design a furniture choose any topic with details <ol style="list-style-type: none"> Office Furniture Residential Furniture Commercial Furniture 	Sketching, Modeling Market visit
Total = Lectures		



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	IV Semester
Course Code and Name	BID 403: Materials & Construction – IV
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES (COs):

- CO1: To get the basic understanding of the types of Glass, Plastics, Composite Panels etc (BL1)
- CO2: To apply the basic understanding of appropriate materials with respect to the layout and the economics (BL2)
- CO3: To analyze the differentiate the various Materials, Wall covering, Curtains and blinds fitting in the domestic setup. (BL3)
- CO4: To evaluate the market trends and availabilities. (BL4)
- CO5: To stimulate students to create their own detailed technical layouts. (BL5)
- CO6: To develop understanding of Materials and ability to express ideas. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL6
2	Progressive Evaluation and Internal Viva	CO2-CO6	BL2-BL6
3	PBL-Project Based Learning Assignment	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	Prerequisite: To familiarize the students of Interior Design on material and construction methodology UNIT– I - Introduction to Glass, Plastic, Aluminum Composite Panel <ul style="list-style-type: none"> ▪ Identification, selection, application, types & tools 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	UNIT– II - Curtains, Drapes and Blinds <ul style="list-style-type: none"> ▪ Characteristics of different materials and their uses. ▪ Accessories, fixing details and maintenance. ▪ Appropriateness for different functions and spaces 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions
3	UNIT– III – Wall Finishes <ul style="list-style-type: none"> ▪ Types of wall paints and their application. ▪ Wall papers, tapestries etc. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
4	UNIT– IV – Upholstery and Soft Coverings <ul style="list-style-type: none"> ▪ Different types of upholstery and their suitability. ▪ Maintenance of upholstery Other soft coverings used in furniture. ▪ Market survey of new materials for interior spaces - manufacturers and suppliers, product specifications. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	S.C Rangwala	engineering materials	Charotar publishing, Anand 1982
2	W.B Mckay	building construction, VOL 1-4 ,	Longmans, u.k 1981
3	Dr. B.C Punamia	building construction ,	Laxmi publications Pvt. Ltd., New Delhi, 1993.

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	IV Semester
Course Code and Name	BID 404: Computer Design – II (3D Software)
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES (COs):

- CO1: Be able to learn presentation of drawing in digital forms using various software's. (BL1)
- CO2: Introducing 3D modeling with wireframe structures. (BL2)
- CO3: Student will be able to various commands in SketchUp and create drawings. (BL3)
- CO4: Analyze on the solid modeling techniques in the software. (BL4)
- CO5: Evaluate the theory behind 3D modeling with wireframe structures. (BL5)
- CO6: To stimulate students to create the rendering and presentation techniques for a drawing. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL6
2	Progressive Evaluation and Internal Viva	CO2-CO6	BL2-BL6
3	PBL-Project Based Learning Assignment	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT– I – Introduction to Sketchup & Its Tools <ul style="list-style-type: none"> Starting a drawing – Concepts –Principal tools for drawing, modification, construction, camera, walkthrough, sandbox etc. – breaking edges, google toolbar. 	Lecture with ppt, Whiteboard, Lab session
2	UNIT– II – Use & Management of SketchUp <ul style="list-style-type: none"> Model setting and managers – colors and materials – entities – making input & output – technical information – common tasks – applications. 	Lecture with ppt, Whiteboard, Lab session
3	UNIT– III – Rendering & Presentation Techniques <ul style="list-style-type: none"> Rendering and presentation. Printing and plotting. (V ray, In design, Illustrator, Lumion etc.). 	Whiteboard, Lab session
4	UNIT– IV – Exercises Using Interior Design Studio Projects <ul style="list-style-type: none"> Exercises in the use of Sketchup for the designs done as a part of the Design studio classes will be done. 	Whiteboard, Lab session

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Lidya Sloan,	Sketch up for interior Design . 3D visualising designing & space planning	Wiley Publisher - 2014



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	IV Semester
Course Code and Name	BID 405: Interior Services - II
Credits	3(L-2-T-1-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Remember the student's various electrical appliances, their symbols and their installations. (BL1)
- CO2: The basic understanding of building codes, fire safety, and electrical layout. (BL2)
- CO3: Apply the basic understanding of services on to his own work. (BL3)
- CO4: Analyze the application of electrical and firefighting system, as part of services in interior spaces. (BL4)
- CO5: Evaluate the market trends and availabilities. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – HVAC (Heating Ventilation & Air Conditioning) <ul style="list-style-type: none"> Heating Ventilation & Air Conditioning (HVAC) systems: Air conditioning, Mechanical ventilation – mechanical inlet and extraction systems. Functions of air conditioning, Principles of AC, capacity of AC, Types of AC systems – window AC, split, duct able, central AC and their details. Air distribution systems – ducts, air inlets. 	Lecture with ppt, Whiteboard
2	UNIT– II – Fire Safety <ul style="list-style-type: none"> Fire – causes and spread of fire. Design considerations for fire safety, Devices for firefighting – portable, built-in wet riser system, sprinkler system, fire hydrant. Class of fire and occupancy, study of fire regulations as per NBC. 	Lecture with ppt, Whiteboard
3	UNIT – III – Electrical Systems <ul style="list-style-type: none"> Electrical Installations: Building wiring system. Service wires, metering distribution boards, circuits, MCB cutouts. Conductors, wiring methods, switch boards, electrical devices in the buildings, light and power circuits. Indian electricity rules, relevant provisions of NBC. Preparation of electrical layout scheme for an interior using standard electrical symbols. 	Lecture with ppt, Whiteboard, Studio Session
4	UNIT – IV – Vertical Transport <ul style="list-style-type: none"> Services for multi storied buildings - Vertical transportation systems – Introduction – lifts, escalators - vertical& horizontal, definition, location, arrangement, structure, drives, traffic analysis, supervisory control, remote monitoring. 	Lecture with ppt, Whiteboard
5	UNIT – V – Safety and Security <ul style="list-style-type: none"> Security and safety systems – introduction, designing a security system – burglar alarm, CCTV, central alarm systems, intrusion sensors and space sensors. Other services – cable TV, PABX, computer labs – access flooring, server rooms. 	Lecture with ppt, Whiteboard
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	S.M. Patil	Building Services	
2	V.K. Jain	Fire Safety in Buildings	
3	M. H. Lulla	Air Conditioning	

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	IV Semester
Course Code and Name	BID 406: Elective – IV (Lighting and Color in Interior)
Credits	3(L-3-T-0-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Identification of various types of Concepts of light. (BL1).
- CO2: Understanding of the importance of lights 's & colors in interior & exterior uses. (BL2)
- CO3: Using of the knowledge in creating lights & colors design idea for spaces (BL3)
- CO4: Comparison of the accessories use in the lights & colors materials with different materials. (BL4)
- CO5: Summarization of the various type of lights and colors their products & medium. (BL5)
- CO6: Design a product with uses of color & light theme. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Introduction to Day Lighting <ul style="list-style-type: none"> Nature of light – intensity, Flux, illumination and luminance, visual efficiency, sources of light, day light factor concept, design sky concept, day lighting requirements. 	Lecture with ppt, Whiteboard
2	UNIT– II – Artificial Lighting <ul style="list-style-type: none"> Electric lamps – incandescent, fluorescent, sodium vapor, mercury, halogen and neon. Different types of lights in interior and exterior - task lighting, special purpose lighting. Calculation of artificial lighting, guidelines for lighting design, Glare in artificial lighting. 	Lecture with ppt, Whiteboard
3	UNIT – III – Effect of Color in Lighting <ul style="list-style-type: none"> colour schemes - Monochromatic, analogous, complementary colour schemes, triadic and tetradic schemes, effects of colour in different areas, colour temperature, psychological effects of colour in interiors, factors affecting colour, Prang theory – Colour wheel, Munsell system and Oswald system. 	Lecture with ppt, Whiteboard
4	UNIT – IV – Luminaries & Fixtures <ul style="list-style-type: none"> Definition, different luminaries for lighting, lighting control system- benefits & application, Impact of lighting, fixture types - free standing or portable, fixed, light fixture control. Lighting accessories- switches, sockets, fused connection units, lamp holders, ceiling roses etc. 	Lecture with ppt, Whiteboard
5	UNIT – V – Case Study <ul style="list-style-type: none"> Study of projects based on different lighting concepts used in interiors and exteriors. 	Lecture with ppt, Whiteboard, case study

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Lighting design, source book	Randall whitehead	
2	M.K. Halpeth, T Senthilkumar, G.Harikumar	Light right	
3	Torquil Barker	Concepts of lighting, Lighting design in Architecture-	



V - SEMESTER

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	V Semester
Course Code and Name	BID 501: Interior Design Studio - III
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES(COs):

- CO1: To get insight of design work of interior commercial & Public buildings purpose & material learning, process of interior. (BL1)
- CO2: To comprehend the context of various types of materials through real-life examples and performance evaluation measures for various material uses techniques. (BL2)
- CO3: To implement different type uses & quality techniques. (BL3)
- CO4: To analyze the workshop performance of type of design techniques. (BL4)
- CO5: To evaluate the testing performance of materials selections & design learning techniques based on products. (BL5)
- CO6: Combining parts of design & products and assemble it and create new products.

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL6
2	Project Based Learning	CO1-CO5	BL2-BL5
3	Progressive Evaluation & Internal Viva	CO1-CO6	BL1-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I - Minor Project <ul style="list-style-type: none"> ▪ Commercial Spaces ▪ Study of interiors in ▪ Saloons ▪ Pubs ▪ Discotheque ▪ Banks ▪ Schemes for the same 	Whiteboard, PPT, Videos
2	UNIT – II - Major Project <ul style="list-style-type: none"> ▪ Entertainment Spaces Study of interiors for entertainment buildings such as clubs, multiplex and parks – schemes for video games parlor, food court areas and exclusive indoor game areas of clubs. ▪ Educational Spaces Study of interiors for class rooms, seminar halls and AV halls – schemes for library, smart class rooms and discussion areas. 	Whiteboard, PPT, Videos
Total = Lectures		

D. Text Book:

S.No.	Author	Title	Publisher & Edition
1.			

E. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Ethel Pill	Colour in Interior Design	Hardcover – Box set, April 22, 1997
2	Donald Watson and Michael J Crosbie	Time-Saver Standards for Architectural Design: Technical Data for Professional Practice	First published in 1946

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	V Semester
Course Code and Name	BID 502: Interior Landscape Design
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES(COs):

- CO1: Remember the student's various types of plants and landscape materials. (BL1)
- CO2: Understanding of the process of landscape design. This includes the basic principles of planting design including how to design and define a space using landscape elements. (BL2)
- CO3: Applies basic knowledge of the application of various tools in a specific spatial environment. (BL3)
- CO4: Analyze the use of plants as a design element and understand its visual and physical dimensions. (BL4)
- CO5: Evaluate the issues related to the psychological effects of planting with in their. (BL5)
- CO6: The objective is to encourage students to create their own detailed garden designs. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva - (Minor Design Assignment/ Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment (Individual or Group Of 2-3 Students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Interior Landscaping, Elements & Principles <ul style="list-style-type: none"> ▪ Definition, classification of plants, indoor plants and their functions, layout & components, Floriculture commercial, ornamental, Selection of plants. ▪ Various interior landscaping elements – water bodies - pools, fountains, cascades Plants, rocks, artifacts, & lighting. 	Lecture with ppt, Whiteboard, studio session
2	UNIT– II –Visual Perception <ul style="list-style-type: none"> ▪ Flowers- its colors, texture and its visual perception in various indoor spaces and science of flower arrangement Indoor plants in Indian context. Plant biology, soil, moisture, light nutrient, atmospheric conditions, growing medium, pests & diseases. Botanical nomenclature, anatomy and physiology of plant growth. Market survey and costs. 	Lecture with ppt, Whiteboard, studio session
3	UNIT – III – Hardscape and Softscape <ul style="list-style-type: none"> ▪ Protection of the integrity of the roof and structure, provisions for drainage, light weight planting medium, irrigation, selection of materials, water proofing, provision for utilities and maintenance. 	Lecture with ppt, Whiteboard, studio session
4	UNIT – IV – Roof and Deck Landscape <ul style="list-style-type: none"> ▪ Design concepts related to use of sculpture, paving , garden furniture, architectural feature and grouping them into meaningful compositions for visual and functional effects. 	Individual and Group Discussions, case study, Seminar
5	UNIT – V – Landscape Design Parameters and Exercise on Interior Landscape <ul style="list-style-type: none"> ▪ Landscaping design parameters for various types of built forms- indoor and outdoor linkage to spaces. ▪ Landscaping of courtyards- residential and commercial forms. ▪ Courtyard design ▪ An outdoor room designs ▪ Terrace garden ▪ Balcony design ▪ Kitchen Garden etc. 	Individual and Group Discussions, case study, studio session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Jack E.Ingels	Landscaping Principles and Practices	Delmar
2	Theodore D.Walker	Planting design	VNR Publications New York.)

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	V Semester
Course Code and Name	BID 503: Advance Materials & Construction - V
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	06

A. COURSE OUTCOMES(COs):

- CO1: Remember the student's different types of material and their construction technique. (BL1)
- CO2: Understand the different types and forms of steel available in the market. (BL2)
- CO3: Apply the use of different types in building interiors in various application (BL3)
- CO4: Analyze the differentiate the various material details in the domestic setup. (BL4)
- CO5: Evaluate the market trends and availabilities. (BL5)
- CO6: To stimulate students to create their own detailed technical layouts. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva - (Minor Design Assignment/ Major Design Assignment)	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment (Individual or Group Of 2-3 Students)	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Steel <ul style="list-style-type: none"> Steel-types, properties and uses, various application of steel including mezzanine floor construction, supports, joists, flooring, steel staircase, sheet metal roofing, with truss, joist. 	Lecture with ppt, Whiteboard, studio session
2	UNIT– II – Metal <ul style="list-style-type: none"> Gates-Hinged Gates, sliding gates, Collapsible Gates, Lift Doors, Rolling shutters, Balcony Railings, Staircase railings, Balustrades, Stainless steel with wood gates, Stainless steel with glass balcony railings, Stainless steel staircase handrails and balusters – indoor and outdoor accessories. 	Lecture with ppt, Whiteboard
3	UNIT – III – Cladding <ul style="list-style-type: none"> Aluminum as Façade Cladding material, fixing of cladding to exteriors –Curtain wall –Different fixing methods, Joining systems –Glazing extrusions - insulations, Aluminum composite panel -interior & exterior, commercial applications in interior wall cladding, Shop fronts, Advertisement panels and accessories. 	Lecture with ppt, Whiteboard, studio session
4	UNIT – IV – False Ceiling <ul style="list-style-type: none"> False ceiling –with various materials such as, Plaster of Paris in residential, Aluminum, Wood in office and commercial establishments, Acoustic Ceiling, Thermal insulation, Under deck insulation - Insulated Ceilings in factories and Fuel outlets - case study. 	Individual and Group Discussions, case study, Seminar
5	UNIT – V – Application of 3D Printing <ul style="list-style-type: none"> Introduction to design, prototyping fundamentals. Introduction to 3d printing, its historical development, advantages. Commonly used terms, process chain, 3d modelling, data conversion, and transmission, checking and preparing, building, post processing, RP data formats, classification of 3d printing process, applications to various fields. 	Lecture with ppt, Whiteboard, Lab session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	S.C. Rangwala	Engineering Materials	Charotar Publishing, Anand 1982
2	W.B McKay	Building Construction	Longmans, U.K 1981
3	Sushil Kumar	Building Construction 19th Ed.	Delhi, 2003.
4	Dr. B.C Punmia	Building Construction	Laxmi Publications Pvt. Ltd., New Delhi, 1993

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	V Semester
Course Code and Name	BID 504: Estimation & Specifications
Credits	3(L-2-T-1-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Recall basic concepts related to estimation and specifications (BL1)
- CO2: Explain the importance of accurate estimation and specifications in project planning and execution (BL2)
- CO3: Apply estimation techniques to real-world scenarios, such as cost estimation, time estimation, or resource allocation (BL3)
- CO4: Analyze the potential risks and uncertainties associated with estimation and specifications (BL4)
- CO5: Critique the accuracy of estimates and specifications in completed projects. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Introduction to Specification <ul style="list-style-type: none"> Definition, importance and uses of specification – principles and practice; method of writing specification; form and sequence of clauses, calculation of area according to long & short wall method, center line method. 	Lecture with ppt, Whiteboard
2	UNIT– II – Material Specification <ul style="list-style-type: none"> Writing detailed specification for various common building materials e.g., bricks, sand, lime, timber, wood products, glass, paints etc.; specification of new building material. 	Lecture with ppt, Whiteboard
3	UNIT – III – Specification of Simple Construction <ul style="list-style-type: none"> Writing detailed specification for various building construction works, Specification of BIS and other institutions General Abbreviations used in specifications. 	Lecture with ppt, Whiteboard
4	UNIT – IV – Types of Estimation <ul style="list-style-type: none"> Introduction to cost estimation and definitions of terms related to estimates Types of estimates, abstract and detailed estimates; detail estimates – methods of estimating; taking out of various items; preparation of bill of quantities – use of schedule of rates; analysis of rate and break up of material requirements. 	Lecture with ppt, Whiteboard
5	UNIT – V – Cost Accountancy, Rate Analysis <ul style="list-style-type: none"> Introduction to cost accountancy and book keeping, Principles of analysis of rates, rates of labour and materials, rate analysis in different building works. 	Lecture with ppt, Whiteboard
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	B. N. Dutta	Estimating and Costing in Civil Engineering	
2	M. Chakraborty	Estimation, Costing & valuation	

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	V Semester
Course Code and Name	BID 505: Interior Services - III
Credits	3(L-2-T-1-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Remember the student's quality of sound insulation materials and their application in interiors. (BL1)
- CO2: The basic understanding of building codes, and acoustic materials. (BL2)
- CO3: Apply basic knowledge of services in your work. (BL3)
- CO4: Analyze the implementation of the acoustic system as part of the services in the interior. (BL4)
- CO5: Evaluate the market trends and availabilities. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Introduction to Acoustics <ul style="list-style-type: none"> Definition, Theory of sound generation, transmission – reception of sound – Terms related to acoustics – sound waves, frequency, intensity, wavelength – measurement of sound. 	Lecture with Ppt, Whiteboard
2	UNIT– II – Sound Absorption, Insulation Materials <ul style="list-style-type: none"> Sound absorption, absorption co-efficient and their measurements – sound absorbing materials – sound insulation – materials – sound amplification and sound reinforcement, market survey and sample collection. 	Lecture with ppt, Whiteboard
3	UNIT – III – Noise Control <ul style="list-style-type: none"> Environmental noise control: noise sources, airborne and structure-borne noise, transmission of noise, methods of environmental noise control, control of mechanical noise and vibrations. Noise control in specific types of buildings like – auditoriums, residential buildings, hotels, school, hospitals, offices, libraries. 	Lecture with Ppt, Whiteboard
4	UNIT – IV – Case Study <ul style="list-style-type: none"> Study of existing designs to understand shapes/spaces and integration of acoustical equipment in the design. 	Individual and Group Discussions, case study, Seminar
5	UNIT – V – Services Studio <ul style="list-style-type: none"> Draw wall acoustic details. Acoustical design or case study of existing building such as auditorium, recording studio, theatre, cinema halls, hospitals or a multistory office building. 	Individual and Group Discussions, studio session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Gurcharn Singh	Building Construction and Material	
2	Peter Templeton & Saunders	Detailing for Architectural Acoustics	Architectural Press (1994)



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	V Semester
Course Code and Name	BID-506, Elective-V (Adoptive Reuse and Recycling)
Credits	3(L-3-T-0-P-0)
Contact Hours per week	03

A. COURSE OUTCOMES(COs):

- CO1: To expose the students to the basics of adaptive reuse and recycling (BL1)
- CO2: To understand the importance of heritage buildings and the treasures within the same that can be reused and recycles. (BL2)
- CO3: To be sensitive to the environment and to practice sustainable design through recycling and reuse (BL3)
- CO4: To avoid materials that cannot be reused (BL4)
- CO5: To use materials that have natural resources in abundance in the environment. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Learning Assignment	CO1-CO5	BL1-BL5
3	ABCA- Assignment/Quiz/Seminar/Poster/Case study	CO1-CO5	BL1-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT- I- Need for Adaptive Reuse <ul style="list-style-type: none"> Buildings and old structures – ascertaining the structural stability – estimation of the life of the building – strategies of adaptive reuse – investigation into material finishes etc. 	Whiteboard, PPT, Videos
2	UNIT-II- Using Discarded Material for Interior & Furniture <ul style="list-style-type: none"> To enable the student to understand the need for adaptive reuse of old buildings and applications of using recycled materials. · Life cycle of a building and its impact on resources. 	Whiteboard, PPT, Videos, Workshop
3.	UNIT- III -Restoration & Renovation of Interiors <ul style="list-style-type: none"> To equip students with the critical, understand of construction industry and changing requirements of clients with the change of taste of aesthetics of users. 	Whiteboard, PPT, Videos, workshop
4.	UNIT-IV - Low-cost Interior Design & Furniture <ul style="list-style-type: none"> Buildings are largest consumer of energy and resources. Low-cost interior concept enables students to reduce life cycle cost of a interior project. • To enable students for the future issues of climate change and cost effectiveness in the interior projects 	Whiteboard, PPT, Videos, workshop
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Hari Mohan Pillai	Heritage conservation and cultural continuity	Saraswatham publishers, 2020
3	Paul Grier	Recycling Paper	2013
4.	<u>Randy Florke</u> (Author), <u>Nancy J. Becker</u> (Author)	Restore, Recycle, repurpose: Create a Beautiful Home	Import, 4 May 2010

VI - SEMESTER

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	VI Semester
Course Code and Name	BID 601: Interior Design Studio –IV
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES (COs):

- CO1: Remember a basic skill at putting observations Private and Public space. (BL1)
- CO2: Understanding of the process of Interior design. This includes the basic Planning of institutional space of Interior design including how to design and define a space using Interior elements. (BL2)
- CO3: Identify & analyze design principles and integrate into (BL3)
- CO4: Analyze the fundamentals of color and texture perceptions and relationships with form. (BL4)
- CO5: Assess cultural, regional, and historical interior design styles and factors that affect design solutions. (BL5)
- CO6: Create simple design applications for special populations. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End term exam	CO1-CO6	BL1-BL4-BL6
2	Progressive Evaluation and Internal Viva	CO1-CO6	BL1-BL6
3	PBL-Project Based Learning Assignment	CO2-CO5	BL2-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	<p>Intend: To introduce the basics of designing for Institutional interiors and to develop skills required for the same.</p> <p>UNIT – I Administration and Lounge</p> <ul style="list-style-type: none"> Over all planning of administration area along with its service areas - Private and Public spaces, furniture layout, lighting, color scheme, interior landscape etc. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
2	<p>UNIT – II- Office</p> <ul style="list-style-type: none"> Planning for individual offices - layouts, furniture detail, natural and artificial lighting, color scheme, soft furnishings etc. 	Lecture with Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
3	<p>UNIT – III Thematic Concepts</p> <ul style="list-style-type: none"> Thematic concepts in Institutional spaces - ability to integrate various individual spaces into one theme – treatment of passages, courtyards, other semi covered spaces - integration of built form and open spaces. 	Ppt, Studio Sessions, Individual and Group Discussions, Live Sketching
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Fiona Leslie	Designs for 20 th century Interiors	VH Publications, London,2000.
2	Jonathan Poore	Interior Color by design	Rockport Publishers,1994.
3	Barbara LeC Diamondstein	Interior Design: The New Freedom	Rizzoli International Publications, New York, 1982.

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	VI Semester
Course Code and Name	BID 602: Craft Stories
Credits	4(L-0-T-0-P-8)
Contact Hours Per Week	08

A. COURSE OUTCOMES(COs):

- CO1: Identification of various types of Craft. (BL1)
- CO2: Understanding of the importance of craft work in interior & exterior uses. (BL2)
- CO3: Using of the knowledge in certain craft & design ideas for interior design. (BL3)
- CO4: Comparison of the accessories made by craft materials & fresh materials. (BL4)
- CO5: Summarization of the various craft and their history of the products & materials. (BL5)
- CO6: Design a craft base as product.

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL6
2	Progressive Evaluation and Internal Viva	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Introduction to Craft <ul style="list-style-type: none"> Introduction to art and craft history in India Art and Craft, and the Interpretation of India's Past. 	Whiteboard, PPT, Videos, Visit Etc.
2	UNIT– II – Craft Materials <ul style="list-style-type: none"> Art and Craft in different states and GI marks Indian art and craft mapped through different states and GI marks (like Bidiri, Wood carving, Dhokra, Krishna Shilla, Enameling etc.). 	Whiteboard, PPT, Videos, Notes, Market visit
3	UNIT – III – Changing Perspectives <ul style="list-style-type: none"> Creative exploration in craft design to suit urban and export markets. Changing perspectives with globalization, Field visits and report making. 	Whiteboard, PPT, Videos, Notes, books, Market visit
4	UNIT – IV – Indian Painting <ul style="list-style-type: none"> An introduction to Indian paintings (Deccan painting, miniature paintings, etc.) Modern and contemporary painters. 	PPT, Modeling Market visit
5	UNIT – V – Case Study <ul style="list-style-type: none"> Study of projects based on different crafts. 	Market visit

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1.	Dr. Alka Pande,	Indian Art – The New International Sensation- A Collector's Handbook, 2008	
2.	Anil Rao, Sandhya Ketkar	The History of Indian Art, 2017	
3.	M. P. Ranjan, Aditi Ranjan,	Handmade in India, 2007	



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	VI Semester
Course Code and Name	BID 603: Working Drawing
Credits	3(L-0-T-0-P-6)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: In the context of working drawings, this could involve recalling standard symbols, drafting conventions, and industry-specific terminology. (BL1)
- CO2: Understanding working drawings may involve interpreting different views (e.g., plan, elevation) and comprehending the information conveyed through annotations, dimensions, and symbols. (BL2)
- CO3: Applying knowledge of drafting techniques and standards to create accurate and clear working drawings falls under this level. (BL3)
- CO4: Analyzing working drawings involves breaking down complex information, such as identifying potential conflicts or discrepancies in the design and making corrections. (BL4)
- CO5: Evaluating working drawings may involve assessing the quality and completeness of the drawings, ensuring they meet industry standards and specifications. (BL5)
- CO6: At the highest level, creating working drawings involves generating original designs or modifying existing ones. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	End Term Exam	CO1-CO6	BL1-BL6
2	Progressive Evaluation and Internal Viva	CO2-CO6	BL2-BL6
3	PBL- Project Based Learning Assignment	CO3-CO6	BL3-BL6

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Building Components <ul style="list-style-type: none"> Working drawing of different types of doors and windows, arches, and other types of fenestrations. 	Whiteboard, Studio Session
2	UNIT– II – Building Surfaces <ul style="list-style-type: none"> Working drawing of wall murals, reflected ceiling plans, wall claddings and other walls treatments and flooring patterns. 	Whiteboard, Studio Session
3	UNIT – III – Furniture Drawing <ul style="list-style-type: none"> Working drawing of work stations, living room furniture, bedroom furniture and dining tables. Working drawings of display units, office furniture's, Furniture used in hotels and restaurants etc. 	Whiteboard, Studio Session
4	UNIT – IV – Detailing of Special Areas <ul style="list-style-type: none"> Working drawing for toilet areas with plumbing details Materials, floorings, walls, textures, fittings & fixtures details. Working drawing of kitchens of different designs with detailing of shelves and cupboards Storage areas, flooring, wall tiles, chimney etc. with special focus on ergonomics. 	Whiteboard, Studio Session
5	UNIT – V – Detailing of Storage Areas <ul style="list-style-type: none"> Working drawing of wardrobes, TV cabinet and showcase, crockery shelves, cadenza, chest of drawers, dressing table, etc. 	Whiteboard, Studio Session
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Ernst neufert	Neuferts architects data	
2	Joseph Chiara	Time saver standards for interior design	
3	De chiara and callender	Time saver standards for interior design, 1982.	



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	VI Semester
Course Code and Name	BID 604: Brand Management
Credits	3 (L-2-T-1-P-0)
Contact Hours per week	03

A. COURSE OUTCOMES (COs):

- CO1: To make students understand of brand philosophy and market segmentation. (BL1)
- CO2: Understand the brand Building and Establishing Brand Presence (BL2)
- CO3: Apply your understanding and come up with a business proposal. (BL3)
- CO4: Analyze the data and obtain info like target market, market size, competition. (BL4)
- CO5: Evaluate the steps and the process of the work. (BL5)
- CO6: Create a presentation on your business proposal keeping in mind of all the key points of a business module and further that will be followed up by viva. (BL6)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL5
2	Application Based Activity	CO3-CO6	BL3-BL6
3	ABCA- Assignments/Quiz/Seminar/ Poster/case study	CO1-CO5	BL1-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I <ul style="list-style-type: none"> ▪ Description of brand philosophy ▪ Development of logo using colors and shapes ▪ Brand competitor studies and market research ▪ Consumer profiling and market segmentation. 	Whiteboard, PPT, Reading Material to be provided separately.
2	UNIT – II <ul style="list-style-type: none"> ▪ Research about the various brands globally for your inspiration. ▪ Do a complete study of different brands and their strengths and weakness and assessment of various products having similar Categories and Costs. 	Whiteboard, PPT, Reading Material to be provided separately.
3	UNIT – III - Forecasting Demands and Acquiring Customers <ul style="list-style-type: none"> ▪ Identifying the Target Audience / Customer ▪ Conducting Surveys ▪ Building an MVP based on the Survey ▪ Analyzing Competition 	Whiteboard, PPT, Reading Material to be provided separately.
4	UNIT – IV - Brand Building and Establishing Brand Presence <ul style="list-style-type: none"> ▪ Digital Marketing and Social Media Marketing ▪ Basics of PR and Importance of Digital Presence ▪ Building a website – Tools and Techniques 	Whiteboard, PPT, Reading Material to be provided separately.
5	UNIT – V <ul style="list-style-type: none"> ▪ Create your brand name, brand story, image, identity, logo and give the Promotional Policies for the same. 	Whiteboard, PPT, Reading Material to be provided separately, Practical Class Presentation
Total = Lectures		

D. REFERENCE BOOK:

S.No.	Author	Title	Publisher & Edition
1.	Mihalis Kavaratzis – Gary Warnaby & Gregory J. Ashworth	Rethinking Place Branding, Comprehensive brand development for cities and regions	
2.	Robin Fisher Roffer	Make a name for yourself	
3.		The Automatic Startup	



COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	VI Semester
Course Code and Name	BID 605: Professional Practice
Credits	3(L-3-T-0-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Remember the student's basic information of professional practice and design research (BL1)
- CO2: Get the basic understanding of entrepreneurship and projects. (BL2)
- CO3: Apply the basic understanding of issues in professional practice. (BL3)
- CO4: Analyze the tender and its application. (BL4)
- CO5: Evaluate the market trends and availabilities. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO3	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL3-BL5
3	ABCA- Assignments/Quiz/Seminar/ Poster	CO1-CO5	BL1-BL4

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT – I – Business <ul style="list-style-type: none"> Setting up an individual business, Hiring, Project scheduling, Work delegation, organization Project Budgeting, Stakeholder management, Risk management, Execution and implementation. 	Lecture with ppt, Whiteboard
2	UNIT– II – Practice <ul style="list-style-type: none"> Professional Correspondence in practice, issues of professional practice, Professional behavior, Ethics and code of conduct, Different styles of Interior practice, Types of fees and process. 	Lecture with ppt, Whiteboard
3	UNIT – III – Contract & Tender Document <ul style="list-style-type: none"> Types of the Contracts, legality of the Contract, important clauses of the Contract, role of the owner, interior designer and the contractor in fulfillment of the contract. Size of the office, location, infrastructure requirement, staff requirement etc. Procurement of the works. Important activities in a professional office. Types, details of a tender document, procedure to be followed for calling tenders, tender analysis, election of the contractor and award of the work. Important terms such as Earnest Money Deposit, Security Deposit, Defect Liability, Insurance etc. 	Lecture with ppt, Whiteboard
4	UNIT – IV – Specification <ul style="list-style-type: none"> Material specification and quality control, Principles of specifications, classification of specifications, specifications writing. 	Lecture with ppt, Whiteboard
5	UNIT – V – Certification <ul style="list-style-type: none"> Measurements, Billing and Payment Certification, Volumetric estimate of interiors for commercial design. 	Lecture with ppt, Whiteboard
Total = Lectures		

D. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Ted Crawford	AIGA Professional practices in graphic design	Allworth press, 2008
2	Shan Preddy	How to run a successful design business : the new professional practice	Gower publishing, LTD. 2011
3	S. K. Sahu	Professional practice in India	
4	Cooper, R., Junginger, s., & Lockwood, T.	The handbook of design management	Eds. 2013

COURSE STRUCTURE

Program/Batch	B.Sc. - Interior Design (2023-2027)
Semester	VI Semester
Course Code and Name	BID 606: Elective - VI (Sustainable Design)
Credits	3(L-2-T-1-P-0)
Contact Hours Per Week	03

A. COURSE OUTCOMES(COs):

- CO1: Identification of various types of Concepts of Sustainability (BL1).
- CO2: Understanding of the importance of sustainability in interior & exterior uses. (BL2)
- CO3: Using of the knowledge in creating accessories & design ideas for interior design. (BL3)
- CO4: Comparison of the accessories made by the sustainable materials & fresh materials. (BL4)
- CO5: Summarization of the various accessories and their history of the products & materials. (BL5)

B. ASSESSMENT TOOLS:

S. No.	Course Specific Assessment Tools	CO's Mapped	Bloom Levels
1	Two Midterm Exams	CO1-CO6	BL1-BL3
	End term exam	CO1-CO5	BL1-BL4
2	Application Based Activity	CO3-CO5	BL2-BL5

C. COURSE CONTENTS:

Unit	Contents	Pedagogy
1	UNIT -I - Definitions and Perspectives on Sustainability <ul style="list-style-type: none"> Concept of Sustainability, growing recognition for sustainable design, efficient use of natural resources, Environment and Energy cost, role of human capital, buildings impact on people and environment, green interiors and materials, Interior's impact on inhabitants and occupants in interior. 	Whiteboard, PPT, Videos, notes
2	UNIT – II - Sustainable Interiors <ul style="list-style-type: none"> Importance of Sustainability in Interior Design- Evaluation of materials – embodied energy of interior material – its concepts and calculation – Choice of selection of materials and application in interiors – Design process and case studies with material board. 	Whiteboard, PPT, Videos, Notes
3.	UNIT- III - Principles of Sustainable Design <ul style="list-style-type: none"> Origins of sustainable development – Principles – Understanding place - connecting with nature – Understanding natural process – Understanding environmental impact - Embracing co-creative design process – Understanding Case studies relating to the above. 	Whiteboard, PPT, Videos, Notes, books
4.	UNIT – IV - Green Interiors <ul style="list-style-type: none"> Introduction to Green Interior – Energy conservation material for building – Grass wall (vertical gardens)- Grass roofing – Benefits of green interiors — Characteristics - Indoor landscape – Bio pools – Anthropometrics – use of Color- Wall linings – Floor finishes – Ceiling finishes – Furniture and Accessories – Lighting 	Whiteboard, PPT, Videos, Notes, books
5.	UNIT – V - Indoor Environmental Quality <ul style="list-style-type: none"> Rating systems in India – Indoor air quality – Visual quality – Acoustic quality – Noise control – Control of systems – Thermal absorption – Green prefab walls – Roof treatment- people Water efficiency – waste efficiency – Environmental Quality enhancement – services (Green toilet & Green Kitchen. 	Whiteboard, PPT, Videos, Notes, books
Total = Lectures		

D. Text Book:

S.No.	Author	Title	Publisher & Edition
1.	Sian Moxon,	Sustainability in Interior Design	Lawrence King Publishing, 2012

E. Reference Books:

S.No.	Author	Title	Publisher & Edition
1	Susan M.	Sustainable Design for Interior Environments	Winchip, 2007
2	Rebecca proctor	The sustainable design book	Lawrence King Publishing 2015
3	https://www.mooc-list.com/tags/sustainable-design		
4	https://www.mooc-list.com/tags/green-building		