

To discuss the recommendations of board of studies in the subjects of Interior Design and recommend to the academic council for the approval of the programmes- B.I.D. Batch 2025-29- 4 years degree

MODEL FRAMEWORK (MFW) FOR B.ID: 2025-2029 BATCH, ASAP, AMITY UNIVERSITY PUNJAB, MOHALI

Model Framework (MFW) for B.ID: 2025-2029 Batch, ASAP, Amity University Punjab, Mohali											Total Credits	Exit Option
Semester	SUBJECTS											
I	MCC	MCC	MC	MDC	AEC	AEC	AEC	SEC	VAC	VAC	24	No Exit
	Interior Design Studio-I	Interior Materials & Application-I	Interior Graphics-I	History of Arts & Crafts	Fundamentals of Communication	Introduction to French Culture and Language / Introduction to German Culture and Language	Punjabi/History and Culture of Punjab	Interior Drawing-I	Workshop Practice-I	Environmental Studies - I		
	6	3	3	2	2	1	1	3	1	2		
II	MCC	MCC	MC	MDC	AEC	AEC	AEC	SEC	VAC	VAC	24	
	Interior Design Studio-II (Residential Interiors)	Interior Materials & Application-II	Interior Graphics-II	History of Interior Design	Professional Etiquette and Presentation Skills	French Grammar / German Grammar	Punjabi/History and Culture of Punjab	Interior Drawing-II	Workshop Practice-II	Environmental Studies - II		
	6	3	3	2	2	1	1	3	1	2		
III	MCC	MCC	MCC	MCC	MC	MDC		AEC	SEC	-	24	
	Interior Design Studio-III (Office Interiors)	Interior Materials & Application-III	Graphics and Computers-I	Service Design-I (P.H.)	Furniture Design	Upholstery and Furnishings		Structure Systems-I	Modular Design	-		
	6	4	2	2	3	2		2	3	-		
IV	MCC	MCC	MCC	MC	MDC	MDC		AEC	SEC	SEC	24	
	Interior Design Studio-IV (Hotel Interiors)	Graphics and Computers -II	Service Design-II (Lighting and Electricity)	Interior Accessories Design	Event Design	Product Design		Specification and Estimation	Photography Skills	Disaster Risk Reduction and Management		
	6	4	2	3	2	2		2	1	2		
											96	
V	MCC	MCC	MCC	MCC	MC	MC		MC	-	-	24	No Exit
	Interior Design Studio-V (Shops and Malls interiors)	Graphics and Computers -III	Service Design-III (HVAC)	Thermal Comfort and Climatology	Interior Landscape Design	Biophillic Design		Intelligent Building Interiors	-	-		
	6	4	2	3	3	3		3	-	-		
VI	MCC	MCC	MCC	MC	MC	MC		MC	-	-	24	
	Interior Design Studio-VI (Bank and Institutions)	Working Drawing	Service Design-IV (Fire Safety and Communication System)	Sustainable Interior Design	Visual Communications	Heritage Interiors		Elective-I (Open): Vastu Shastra	-	-		
	6	4	2	3	3	3		3	-	-		
											144	120
VII	NTCC	NTCC	NTCC	-	-	-		-	-	-	24	UG Degree Research
	Building Interiors- Study Report	Seminar	Internship	-	-	-		-	-	-		
	4	4	16	-	-	-		-	-	-		
VIII	MCC	MCC	MC	MC	MC			-	-	-	24	
	Research Skills	Thesis Project	Professional Practice	Interior Project Construction Management	Elective II: Set Design/Interior Design Journalism			-	-	-		
	3	12	3	3	3			-	-	-		
											192	160 (Min. credit)

SEMESTER-WISE PROGRAMME STRUCTURE

Name of the Programme {Session: 2025-2029}								
Semester-Wise Programme structure								
Sr. No.	Year 1		Year 2		Year 3		Year 4	
	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
1	Interior Design Studio – I [CU:6, L/S-6,T-0, P-0] {MCC}	Interior Design Studio - II (Residential Interiors) [CU:6, L/S-6,T-0, P-0] {MCC}	Interior Design Studio-III (Office Interiors) [CU:6, L/S-6,T-0, P-0] {MCC}	Interior Design Studio-IV (Hotel Interiors) [CU:6, L/S-6,T-0, P-0] {MCC}	Interior Design Studio-V (Shops and Malls interiors) [CU:6, L/S-6,T-0, P-0] {MCC}	Interior Design Studio - VI (Bank and Institutions) [CU:6, L/S-6,T-0, P-0] {MCC}	Building Interiors Study Report [CU:04, L/S-0, T- 0,P-0] {NTCC}	Research Skills [CU:03, L-3, T-0, P-0] {MCC}
2	Interior Materials & Application – I [CU:3, L-2,T-0, P-2] {MCC}	Interior Materials & Application – II [CU:3, L-2,T-0, P-2] {MCC}	Interior Materials & Application – III [CU:4, L-4,T-0, P-0] {MCC}	Graphics and Computers-II [CU:4, L/S-4,T-0, P-0] {MCC}	Graphics and Computers-III [CU:4, L/S-4,T-0, P-0] {MCC}	Working Drawing [CU:4, L/S-4,T-0, P-0] {MCC}	Seminar [CU:04, L/S-0, T- 0,P-0] {NTCC}	Thesis Project [CU:12, L/S-12,T-0, P-0] {MCC}
3	Interior Graphics - I [CU:3, L/S-2,T-0, P-2] {MC}	Interior Graphics - II [CU:3, L/S-2,T-0, P-2] {MC}	Graphics and Computers-I [CU:2, L/S-1,T-0, P-2] {MCC}	Service Design-II (Lighting and Electricity) [CU:2, L/S-2,T-0, P-0] {MCC}	Service Design-III (HVAC) [CU:2, L/S-2,T-0, P-0] {MCC}	Service Design-IV (Fire Safety and Communication System) [CU:2, L/S-2,T-0, P-0] {MCC}	Internship [CU:16, L/S-0, T- 0,P-0] {NTCC}	Professional Practice [CU:3, L/S-3,T-0, P-0] {MC}
4	History of Arts & Crafts [CU:2, L/S-2,T-0, P-0] {MDC}	History of Interior Design [CU:2, L/S-2,T-0, P-0] {MDC}	Service Design-I (P.H.) [CU:2, L/S-2,T-0, P-0] {MCC}	Interior Accessories Design [CU:3, L/S-2,T-0, P-2] {MC}	Thermal Comfort and Climatology [CU:3, L/S-3,T-0, P-0] {MCC}	Sustainable Interior Design [CU:3, L/S-3,T-0, P-0] {MC}		Interior Project Construction Management [CU:3, L/S-3,T-0, P-0] {MC}
5	Fundamentals of Communication [CU:2, L/S-2,T-0, P-0] {AEC}	Professional Etiquette and Workplace Communication [CU:2, L/S-2,T-0, P-0] {AEC}	Furniture Design [CU:3, L/S-2,T-0, P-2] {MC}	Product Design [CU:2, L/S-1,T-0, P-2] {MDC}	Interior Landscape Design [CU:3, L/S-3,T-0, P-0] {MC}	Visual Communications [CU:3, L/S-3,T-0, P-0] {MC}		Elective II: Set Design/Interior Design Journalism [CU:3, L/S-3,T-0, P-0] {MC}
6	Introduction to French Culture and Language / Introduction to German Culture and Language [CU:1, L/S-1,T-0, P-0] {AEC}	French Grammar / German Grammar [CU:1, L/S-1,T-0, P-0] {AEC}	Upholstery and Furnishings [CU:2, L/S-2,T-0, P-0] {MDC}	Event Design [CU:2, L/S-2,T-0, P-0] {MDC}	Biophillic Design [CU:3, L/S-3,T-0, P-0] {MC}	Elective-I (Open): Vastu Shastra [CU:3, L/S-3,T-0, P-0] {MC}		
7	Punjabi/History and Culture of Punjab [CU:1, L/S-1,T-0, P-0] {AEC}	Punjabi/History and Culture of Punjab [CU:1, L/S-1,T-0, P-0] {AEC}	Structure Systems - I [CU:2, L/S-2,T-0, P-0] {AEC}	Specification and Estimation [CU:2, L/S-2,T-0, P-0] {AEC}				
8	Interior Drawing - I [CU:3, L/S-2,T-0, P-2] {SEC}	Interior Drawing - II [CU:3, L/S-2,T-0, P-2] {SEC}	Modular Design [CU:3, L/S-2,T-0, P-2] {SEC}	Photography Skills [CU:1, L/S-0,T-0, P-2] {SEC}	Intelligent Building Interiors [CU:3, L/S-3,T-0, P-0] {MC}	Heritage Interiors [CU:3, L/S-3,T-0, P-0] {MC}		-
9	Workshop Practice - I [CU:1, L/S-0,T-0, P-2] {VAC}	Workshop Practice - II [CU:1, L/S-0,T-0, P-2] {VAC}		Disaster Risk Reduction and Management [CU:2, L/S-2,T-0, P-0] {SEC}				
10	Environmental Studies - I [CU:2, L/S-2,T-0, P-0] {VAC}	Environmental Studies - II [CU:2, L/S-2,T-0, P-0] {VAC}						
Cr.	24	24	24	24	24	24	24	24
Total Credit: Credit Layout as per Curriculum and Credit Framework Guidelines - UGC 2022						144	192	



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

MCC	Major Core Course (Discipline Specific Course)
MC	Minor Course
MDC	Multidisciplinary Course
AEC	Ability Enhancement Course

SEC	Skill Enhancement Course
VAC	Value Added Course
CCH	Core Course - Hons.
DSE	Discipline Specific Elective
NTCC	Non Teaching Credit Course

OVERALL STRUCTURE

Semester - 1							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-I	6	0	0	6	6
2	Discipline Specific -Core	Interior Materials & Application-I	2	0	2	3	4
3	Multidisciplinary	History of Arts & Crafts	2	0	0	2	2
4	Skill Enhancement Courses	Interior Drawing-I	2	0	2	3	4
5	Common Value-Added Courses	Workshop Practice-I	0	0	2	1	2
6	Common Value-Added Courses	Environmental Studies - I	2	0	0	2	2
7	Ability Enhancement Courses	Fundamentals of Communication	2	0	0	2	2
8	Ability Enhancement Courses	Introduction to French Culture and Language / Introduction to German Culture and Language	1	0	0	1	1
9	Ability Enhancement Courses	Punjabi/History and Culture of Punjab	1	0	0	1	1
10	Specialization / Minor	Interior Graphics-I	2	0	2	3	4
		Total	20	0	8	24	28
Semester - 2							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-II (Residential Interiors)	6	0	0	6	6
2	Discipline Specific -Core	Interior Materials & Application-II	4	0	0	4	4
3	Multidisciplinary	History of Interior Design	2	0	0	2	2
4	Skill Enhancement Courses	Interior Drawing-II	2	0	2	3	4
5	Common Value-Added Courses	Workshop Practice-II	0	0	2	1	2
6	Common Value-Added Courses	Environmental Studies - II	2	0	0	2	2
7	Ability Enhancement Courses	Professional Etiquette and Workplace Communication	2	0	0	2	2
8	Ability Enhancement Courses	French Grammar / German Grammar	1	0	0	1	1
9	Ability Enhancement Courses	Punjabi/History and Culture of Punjab	1	0	0	1	1
10	Specialization / Minor	Interior Graphics-II	2	0	2	3	4
		Total	20	0	8	24	28
Semester - 3							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-III (Office Interiors)	6	0	0	6	6
2	Discipline Specific -Core	Interior Materials & Application-III	4	0	0	4	4
	Discipline Specific -Core	Graphics and Computers-I	1	0	2	2	3
	Discipline Specific -Core	Service Design-I (P.H.)	2	0	0	2	2
4	Multidisciplinary	Upholstery and Furnishings	2	0	0	2	2
5	Skill Enhancement Courses	Modular Design	2	0	2	3	4
6	Ability Enhancement Courses	Structure Systems-I	2	0	0	2	2
7	Specialization / Minor	Furniture Design	2	0	2	3	4
		Total	21	0	6	24	27
Semester - 4							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-IV (Hotel Interiors)	6	0	0	6	6
2	Discipline Specific -Core	Graphics and Computers -II	4	0	0	4	4
3	Discipline Specific -Core	Service Design-II (Lighting and Electricity)	2	0	0	2	2
4	Multidisciplinary	Event Design	2	0	0	2	2
	Multidisciplinary	Specification and Estimation	2	0	0	2	2
4	Skill Enhancement Courses	Photography Skills	0	0	2	1	2
	Skill Enhancement Courses	Disaster Risk Reduction and Management	2	0	0	2	2
	Ability Enhancement Courses	Product Design	1	0	2	2	3
7	Specialization / Minor	Interior Accessories Design	2	0	2	3	4
		Total	16	0	2	24	27



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Semester - 5							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-V (Shops and Malls interiors)	6	0	0	6	6
2	Discipline Specific -Core	Graphics and Computers -III	4	0	0	4	4
3	Discipline Specific -Core	Service Design-III (HVAC)	2	0	0	2	2
4	Discipline Specific -Core	Thermal Comfort and Climatology	2	1	0	3	3
5	Specialization / Minor	Interior Landscape Design	3	0	0	3	3
6	Specialization / Minor	Biophilic Design	3	0	0	3	3
7	Specialization / Minor	Intelligent Building Interiors	3	0	0	3	3
Total			23	0	0	24	24
Semester - 6							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-VI (Bank and Institutions)	6	0	0	6	6
2	Discipline Specific -Core	Working Drawing	4	0	0	4	4
3	Discipline Specific -Core	Service Design-IV (Fire Safety and Communication System)	2	0	0	2	2
4	Specialization / Minor	Sustainable Interior Design	3	0	0	3	3
5	Specialization / Minor	Visual Communications	3	0	0	3	3
6	Specialization / Minor	Heritage Interiors	3	0	0	3	3
7	Specialization / Minor	Elective I (Open): Vastu Shastra	3	0	0	3	3
Total			2	0	0	24	24
Semester - 7							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Skill Enhancement Courses	Building Interiors Study Report (NTCC)	0	0	0	4	
2	Skill Enhancement Courses	Seminar (NTCC)	0	0	0	4	
3	Skill Enhancement Courses/Internship	Internship (NTCC)	0	0	0	16	
Total			0	0	0	24	0
Semester - 8							
S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Research Skills	3	0	0	3	3
2	Discipline Specific -Core	Thesis Project	12	0	0	12	12
3	Specialization / Minor	Professional Practice	3	0	0	3	3
4	Specialization / Minor	Interior Project Construction Management	2	1	0	3	3
5	Specialization / Minor	Elective: Set Design/Interior Design Journalism	3	0	0	3	3
Total			15	0	0	24	24



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FIRST YEAR

FIRST SEMESTER

S.N.	Broad Category of Course	Course Title	Credit Structure				
			L/S	T	P	Credits	Hours
1	Discipline Specific -Core	Interior Design Studio-I	6	0	0	6	6
2	Discipline Specific -Core	Interior Materials & Application-I	2	0	2	3	4
3	Multidisciplinary	History of Arts & Crafts	2	0	0	2	2
4	Skill Enhancement Courses	Interior Drawing-I	2	0	2	3	4
5	Common Value-Added Courses	Workshop Practice-I	0	0	2	1	2
6	Common Value-Added Courses	Environmental Studies - I	2	0	0	2	2
7	Ability Enhancement Courses	Fundamentals of Communication	2	0	0	2	2
8	Ability Enhancement Courses	Introduction to French Culture and Language / Introduction to German Culture and Language	1	0	0	1	1
9	Ability Enhancement Courses	Punjabi/History and Culture of Punjab	1	0	0	1	1
10	Specialization / Minor	Interior Graphics-I	2	0	2	3	4
		Total	20	0	8	24	28

Annexure 'CD-01'

L/S	T	P	Credits	Hours
6	0	0	6	6

INTERIOR DESIGN STUDIO- I

Credit: 6

Weekly Contact Hours: 6

Course Level: UG

Course Objectives: To train students in visual compositions using various elements of design as also to make them familiar with the purpose and process of architectural design.

Course Contents/syllabus:

Unit I: Elements of Design	Contact Hours
<p>Understanding the role of the following basic elements like Point, Lines, Planes, Patterns, Shapes, Forms, Spaces, Color, Texture.</p> <ul style="list-style-type: none"> Exercises in Point, line and shapes; Exploring schemes in a visual composition and in architectural forms and spaces; Collage with a given theme; Development of geometric pattern by division, subtraction, and addition, and express them with the use of colors; Two- & Three-dimensional Design Exercises involving real and imaginary objects, drawing compositions and models to form an appropriate base for subsequent Architectural design and theory. 	18 Hours
Unit II: Principles of Design	Contact Hours
<p>Understanding and using basic principles like Repetition, Rhythm, Symmetry, Unity, Harmony, Balance Contrast etc.</p> <ul style="list-style-type: none"> Learning the application of Principles of Design in form finding to achieve focus and interest in design using different 3d elements Exercises involving study models of different materials viz. Colored papers, 	12 Hours

wires, match Sticks etc. made by themselves.	
Unit III: Anthropometrics	Contact Hours
Role of human dimensions in design including provisions for the physically challenged. Idea of human scale and proportion. <ul style="list-style-type: none"> Anthropometrics: human body as a basis of measurement. Relating space and self. Human scale. Basic ergonomics; measurement and perception of movement, single activity/ function spaces. The relation of human body with furniture design -like height of seat and knee height etc. Color theory and visual composition. 	24 Hours
Unit IV: Application of Anthropometrics	Contact Hours
Study of human dimensions and proportions as applied to designing spaces with furniture layout. <ul style="list-style-type: none"> Exercises on anthropometric studies for postures and single/multiple person activities, design of furniture items like chairs, tables for self/specific person. Layout of furniture based on anthropometrics. Anthropometrics for physically challenged persons. Exercises in order to experiment basic proportions, body relations and spatial concepts. Design exercise on threshold conditions and small-scale domestic space Field trips to relevant architectural sites. 	24 Hours
Site Visits/ Case Studies <ul style="list-style-type: none"> Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning. Field visits to enrich students' knowledge of context development for anthropometrics, scale and proportion 	12 Hours

Course Learning Outcomes:

CLO1	Understanding elementary Design (all forms of Art) and delineate interior design as the origin of all Art forms
CLO2	Outline Design Principles and its application in interior design.
CLO3	Harness multi-dimensional volumes through modeling spaces.
CLO4	Evaluate the aptitude of creative imagination under a set of constraints.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K. Ching	Architecture Form, Space and Order	John Wiley & Sons,	2014	9781118745083	464
V.S. Parmar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600

INTERIOR MATERIALS & APPLICATION-I

L/S	T	P	Credits	Hours
2	0	2	3	4

Credit: 4

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To build knowledge bank on construction materials and their application in Interior design.

Course Contents/syllabus:

Unit I: Introduction to Natural Materials in Construction	Contact Hours
Natural Materials <ul style="list-style-type: none"> • Wood: Types, properties, and applications in flooring, paneling, and furniture. • laminated, Veneers wood and particle boards – properties, manufacture & uses • Bamboo & Bamboo products • Stone: Types (marble, granite, limestone), properties, and uses in flooring and cladding. • Natural fibers. • Advantages and limitations of natural materials. 	4 Hours
Unit II: Synthetic Materials in Construction	Contact Hours
Synthetic and Composite Materials: properties, manufacturing processes and uses <ul style="list-style-type: none"> • Metals: Types (steel, aluminum, brass), properties, and applications in fixtures and furniture. • Glass: Types (tinted, frosted, tempered), properties, and uses in partitions and decor. • Plastics (injection molding & other manufacturing methods, etc) and polymers: Acrylic, PVC, & their applications in furniture and finishes. • Composites: MDF, plywood, and laminates in furniture and cabinetry. • Fabrics – textile, Jute, leather etc. different types and their uses. 	4 Hours
Unit III: Building Components-I	Contact Hours
Building Elements: of load bearing and non-loadbearing elements of a building and its relevance in interior design. <ul style="list-style-type: none"> • Foundation: Brick Footing, RCC footing • Flooring: Concrete flooring, Plinth beam, Floor finish • Ceiling: RCC ceiling / False Ceiling (Decorative contemporary), Acoustic Ceiling Solutions 	20 Hours
Unit IV: Introduction to Wall Construction	Contact Hours
Walls- Types of Masonry	

<ul style="list-style-type: none"> Brick masonry -Types of bonds - single & double Flemish bond, header bond, stretcher bond, rat trap bond, ornamental bonding Different types - Stone walls – random rubble, coursed rubble, square rubble, polygonal rubble & Ashlar etc 	20 Hours
Site Visits/ Case Studies: <ul style="list-style-type: none"> The students to gather samples of primary building materials and learn their applications in building construction. Students will observe measure, sketch and annotate what they see at site and submit a site visit report to the teachers concerned for evaluation. This award shall form part and parcel of the sessional work for internal assessment. 	12 Hours

Course Learning Outcomes:

CL01	Knowledge of materials and construction in various spaces.
CL02	Gaining experience from quality Site visits about construction details.
CL03	Analyses of Industry Prices with study of types of materials for various spaces.
CL04	Learning through case examples and replicating the same in projects.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
R Barry	Building Construction	East West Press, New Delhi.	1999	8176710059	180
Don A. Watson	Construction Materials and Processes	McGraw Hill Co	1972	9780070684676	418
S.K. Duggal	Building Materials	New Age International Publishers	2021	9789387788398	600
Dr. B.C. Punmia, Ashok K. Jain, Dr. Arun K. Jain	Building Construction	Laxmi Publications (P) LTD	2017	9788131804285	668



L/S	T	P	Credits	Hours
2	0	0	2	2

HISTORY OF ARTS AND CRAFTS

Credit: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: Understanding the development of artwork in early periods of Indian subcontinent in relation to climate, culture, religion and socio-economic circumstances and selection of materials and style in relation to architecture.

Course Contents/syllabus:

Unit I: Introduction to Indian Art and Culture	Contact Hours
<ul style="list-style-type: none"> • Brief introduction of Indian art and culture, sense of aesthetics, its origins and manifestation at various levels. <ul style="list-style-type: none"> • Introducing to the concepts and beginning of culture and civilization. Introduction to art and culture of pre-historic ages along with classification under Paleolithic age, Mesolithic age, Neolithic age and the age of metals. 	6 Hours
Unit II: Early and Prehistoric Indian art	Contact Hours
<p>Early and prehistoric Indian art: Rock art, rock shelters and other rock carvings.</p> <ul style="list-style-type: none"> • Examples- Bhimbetka in central India and Edakal caves in Kerala. • Introduction to the evolution of art in pre-historic Indian art with studying the examples of Bhimbetka in Madhya Pradesh. The reach of Indian art in various regions, discussions on Painting and artwork in Edakal caves in Kerala. 	8 Hours
Unit III: Study of Civilizations in India	Contact Hours
<ul style="list-style-type: none"> • Indus valley civilization: Bronze, terracotta and stone figurines, seals, motifs, ornaments etc. • Vedic period: Vedic symbols, ritualistic designs and description of aesthetics and beauty in ancient Indian scriptures. <ul style="list-style-type: none"> • Introduction to various art forms such as artifacts, mural, sculptures, paintings etc. of Harappan and Vedic period civilization. • Introduction to art & culture of ancient Indian Vedic culture. Art and culture of Medieval India such as Rajput and Islamic art and culture. Spread of Indian culture other parts of the world. Architecture and town planning of Harappan civilization such as towns of Lothal, MohenjoDaro, Dholavira, Kalibanga etc. Understanding of Vedic architecture, and settlements. 	8 Hours
Unit IV: Study of Art in India	Contact Hours
<p>Maurayan Art: Lion capitol of Ashoka and rock cut architecture.</p> <p>Buddhist art: rock cut art of Ajanta with cave-1,2,16,17,19, 29 Greco-Buddhist</p>	

<p>style, sculptures and development of indo-Corinthian capital at Gandhara.</p> <ul style="list-style-type: none"> • Study of chronological development of religious and secular Hindu architecture and settlement planning; Early examples of monolithic and rock-cut architecture of South India. Development of Nagara and Dravidian temple architecture under different dynasties, such as like Cholas, Vijaynagar, Chandels, Hampi. Characteristic features of East, South, Central, West, and North Indian temple architecture for plan, shikhara, pillars, decoration, sculpture, etc. Theoretical base of Indian Architecture; examples from treatises like Mayamatam, Manasara, Samarangana Sutradhara etc. 	8 Hours
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Course Learning Outcomes:

CL01	Understanding the development of art work in early periods of Indian subcontinent.
CL02	Analyzing the art work in relation to climate, culture, religion and socio-economic circumstances and selection of materials and style in relation to interior design.
CL03	Understanding the evolution of civilization in early periods of Indian subcontinent.
CL04	Evaluating the evolution of civilization in relation to climate, culture, religion and socio-economic circumstances and selection of materials and style in relation to interior design.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Meenakshi Dubey	Indian Rock Art - Prehistoric Paintings of the Pachmarhi Hills.	Bradshaw Foundation	1999	8176710059	180
Kanti Chandra Pandey	Comparative aesthetics. Vol. I. Indian aesthetics. Second edition.	Cambridge University Press	2009	8170804450	1368
David G. Saile	Architecture in Cultural Change: Essays in Built Form and Culture Research	School of Architecture and Urban Design, University of Kansas,	1986		175
Alan Colquhoun	Modern Architecture, History of Arts	Oxford University Press	2002	9780192842268	406
Frederick M. Asher	Art of India: Prehistory to the Present	Encyclopedia Britannica	2003	0852298137	501
Percy Brown	Indian Architecture (Buddhist and Hindu)	Kiran Book Agency	2016	9788123924571	216

INTERIOR DRAWING-I

L/S	T	P	Credits	Hours
2	0	2	3	4

Credit: 3

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To familiarize the students with a basic knowledge of good drafting, lettering techniques and visualization of geometrical forms through plan, elevations & sections

Course Contents/syllabus:

Unit I: Introduction to Architectural Drawing	Contact Hours
<ul style="list-style-type: none"> Drawing Basic Geometrical Shapes Types of lines used in Architectural Drawing, their meaning & purpose Lettering techniques 	8 Hours
Unit II: Basics of Orthographic Projection	Contact Hours
<ul style="list-style-type: none"> Orthographic projection -- Definition/meaning Planes of projection Projection of points, lines & planes 	12 Hours
Unit III: Projections of solids and Development of Surfaces	Contact Hours
<ul style="list-style-type: none"> Projection of simple solids (Prisms, Pyramids, Cones and Cylinders). Section of solids & hollow solids, including those with various cut-outs in their sides & base Simple Geometrical Solids E.g. Cube, Cuboids, Cone, Cylinder, Pyramid, Prism etc. 	20 Hours
Unit IV: Architectural Drawing of a one-room unit (one bed/study room with attached toilet & kitchen)	Contact Hours
<ul style="list-style-type: none"> Drawing dimensioned Plans, including furniture layout. Drawing elevations Drawing sections showing the various building elements. Note: Coordination with the Interior Design Studio and Interior Materials and Applications is desirable for teaching-learning of this Unit 	20 Hours

Course Learning Outcomes:

CL01	Explain and illustrate usage of various manual drafting tools and techniques, used in Interior Design Profession
CL02	Identify and develop understanding of interrelationship between 2D and 3D form of simple object, with the help of orthographic Projections
CL03	Analyze the sectional modeling of 3D solids through drawings
CL04	Build and create, 3D papers models, of simple built form, using surface development technique

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Ching, Francis D.K.	Architecture: Form, Space, and Order	Wiley	2014	978-1118745083	464
Leslie, Martin	Architectural Graphics	Wiley	1986	978-0471289397	256
B. James	Essentials of Drafting	McGraw-Hill Education	2000	978-0071347201	400
Pradeep Jain, AK Gautam	Engineering Graphics and Design	Firewall Media	2014	978-8192107523	440
H. Joseph, Morris	Practical Plane and Solid geometry	S. Chand & Company Ltd	2004	978-8121905604	752
Gill, Robert	Rendering with Pen and Ink	Watson-Guptill	1997	978-0823045298	160
N. D. Bhatt	Elementary Engineering Drawing: Plane and Solid Geometry	Charotar Publishing House	2017	978-8172154819	750

L/S	T	P	Credits	Hours
0	0	2	1	2

WORKSHOP PRACTICE-I

Credit: 1

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To familiarize students with different types of materials and manufacturing techniques for creating art forms/ models.

Course Contents/syllabus:

Unit I: Identifying Tools and Materials for Craft Work	Contact Hours
<ul style="list-style-type: none"> • Definition and significance of craftwork in interior design. Overview of different types of craftworks, including carving, sculpting, and modeling. • Identification and classification of tools used in craftwork, such as carving knives, chisels, sculpting tools, etc. Explanation of the purpose, features, and variations of each tool. Safety precautions and proper handling techniques for using craft tools. • Introduction to common materials used in craftwork, such as wood, soap, plaster of Paris, wire, and scrap materials. Characteristics, properties, and suitability of different materials for specific craft projects. Techniques for preparing and handling various materials for craft applications. 	6 Hours
Unit II: Sculpture Making with Plaster of Paris, wire, Scrap Materials	Contact Hours
<ul style="list-style-type: none"> • Overview of plaster of Paris, wire, and scrap materials as sculptural mediums. Understanding the properties and versatility of each material • Mold-making techniques using plaster of Paris. Wire sculpting techniques for creating armatures and structural supports. Incorporating scrap materials for texture and visual interest. • Assign a project where students combine plaster of Paris, wire, and scrap materials to create a mixed media sculpture. Encourage experimentation with different materials and techniques to achieve unique artistic expressions 	8 Hours
Unit III: Clay Modelling	Contact Hours
<ul style="list-style-type: none"> • Overview of clay as a sculptural medium. Understanding different types of clay and their properties. Preparation and handling of clay for sculpting. • Basic modeling techniques such as pinch, coil, and slab construction. Sculpting facial features, figures, and organic forms. Surface treatment and detailing with carving tools and texturing techniques • Assign a project where students create a sculpture using clay modeling techniques. Encourage students to explore themes related to interior design, such as furniture design, architectural elements, or decorative objects 	8 Hours

Unit IV: Model Making of Furniture	Contact Hours
<ul style="list-style-type: none"> • Different types of joints, joinery details (which are commonly used in timber construction and interiors). • Learning to handle machine tools and application of machine tools for art work • Design and Model Making of different type of Furniture 	8 Hours

Course Learning Outcomes:

CL01	To sensitize the usage of various materials for production of art work
CL02	To apply different mediums and machine tools for production various types of art work
CL03	To analyze different mediums for create art forms
CL04	Build and create, 3D models, of simple built forms, using hand tools and crafting technique

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
William P. Cunningham, Mary Ann Cunningham	Principles of Environmental Science	McGraw-Hill	2019	9781260219715	--
Dash and Dash	Fundamentals of ecology	Tata McGraw-Hill Education	2009	978-0070083660	--
William P. Cunningham, Mary Ann Cunningham, Barbara Woodworth Saigo	Environmental Science: A global concern,	McGraw-Hill	2021	9781260363821	--
Gaston K.J. and Spicer, J. I.	Biodiversity – An Introduction 2nd edition	Blackwell Publishing	2004	978-1-405-11857-6	--

ENVIRONMENTAL STUDIES - 1

L/S	T	P	Credits	Hours
2	0	0	2	2

Credit: 2

Weekly **Contact Hours: 2**

Course Level: UG

Course Objectives: To develop basic understanding of the environment and role of humans in shaping it.

Course Contents/syllabus:

Unit-1- Multidisciplinary nature of environmental studies	Contact Hours
<ul style="list-style-type: none"> Multidisciplinary nature of environmental studies: Definition, scope and importance; components of environment –atmosphere, hydrosphere, lithosphere and biosphere. Concept of sustainability and sustainable development. 	6 Hours
Unit-2- Natural Resources- Renewable and non-renewable resources	Contact Hours
<ul style="list-style-type: none"> Land resources and land use change, land degradation, soil erosion and desertification. Deforestation: causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal population. Water Resources-Use and over-exploitation of surface and groundwater, floods, drought, conflicts over water (international and inter-state). Heating of earth and circulation of air; air mass formation and precipitation. Energy resources- renewable and non-renewable energy sources, use of alternate energy sources, Growing energy needs, Case studies. 	8 Hours
Unit-3- Ecosystems	Contact Hours
<ul style="list-style-type: none"> What is an ecosystem; Structure and function of an ecosystem; Energy flow in the ecosystem; Food chains, food webs and ecological succession. Case studies of the following ecosystems: Forest ecosystem Grassland ecosystem Desert ecosystem Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries). 	8 Hours
Unit-4- Biodiversity and its conservation	Contact Hours
<ul style="list-style-type: none"> Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; biodiversity patterns and global biodiversity hot spots. India as a mega-biodiversity nation; endangered and endemic species of India. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; conservation of biodiversity: in-situ and ex-situ conservation of biodiversity. 	8 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

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|--|--|
| <ul style="list-style-type: none">Ecosystem and biodiversity services: ecological, economic, social, ethical, aesthetic and information value. | |
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Course Learning Outcomes:

CL01	Appreciate the multi-disciplinary nature of environmental science
CL02	Understand natural resources and evaluate limitations surrounding renewable and non-renewable resources
CL03	Understand the nuances of ecosystem and learn about behavior of various ecosystem
CL04	Learn about the types, services and threats to our biodiversity and importance of conserving it.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
William P. Cunningham, Mary Ann Cunningham	Principles of Environmental Science	McGraw-Hill	2019	9781260219715	320
Dash and Dash	Fundamentals of ecology	Tata McGraw-Hill Education	2009	978-0070083660	126
William P. Cunningham, Mary Ann Cunningham, Barbara Woodworth Saigo	Environmental Science: A global concern,	McGraw-Hill	2021	9781260363821	96
Gaston K.J. and Spicer, J. I.	Biodiversity – An Introduction 2nd edition	Blackwell Publishing	2004	978-1-405-11857-6	96



FUNDAMENTALS OF COMMUNICATION

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credit: 2
Weekly Contact Hours: 2
Course Level: UG

Course Objectives: To help students develop skills in the areas of vocabulary, grammar, presentation, and interactive communication so that any deficiencies in either skills or their application do not interfere with communication.

Prerequisites: Good Listening, Speaking, Reading, and Writing Skills.

Unit I: Basic Concepts of Communication	Contact Hours
<ul style="list-style-type: none"> • Definition, Nature and Role of Communication • Communication Networks: Flow, Medium and Channel • Barriers to Communication • SWOT (Strengths, Weaknesses, Opportunities, Threats) Analysis 	6 Hours
Unit II: Communication Types	Contact Hours
<ul style="list-style-type: none"> • Introduction of Communication Skills (Listening, Speaking, Reading and Writing) • Nonverbal Communication: Functions and Effective use • KOPPACT (Kinesics, Oculistics, Proxemics, Paralanguage, Artifacts, Chronemics, Tactilics). 	8 Hours
Unit III: Digital Literacy and social media	Contact Hours
<ul style="list-style-type: none"> • Importance of Digital Literacy • Netiquette • E-mail Etiquette • Advantages/Disadvantages of social media • Effective ways of using social media • Blogs/Content writing • Professional Profile on Web 	8 Hours
Unit IV: Gateway to Industry	Contact Hours
<ul style="list-style-type: none"> • Resume Writing • Cover Letter • Interview Skills • LinkedIn Profile • Writing LinkedIn Recommendations 	8 Hours

Course Learning Outcomes:

CL01	To understand the basic processes of communication, both verbal as well as nonverbal — nature, scope, and power of communication processes
CL02	To understand the different types and forms of communication and their functions, use, and significance.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

CL03	To develop an understanding of the importance of digital literacy. They will also be able to develop an awareness of the role of social media in shaping public psyche, beliefs, and perceptions about social realities and build an informed and critical perspective.
CL04	To read and interpret complex messages and take decisions accordingly. They will also be able to improve their speaking skills and develop effective speaking strategies.

Pedagogy for Course Delivery: Multi-pronged strategy involving lectures, experiential learning, videos, e-content, web resources, open-source content on the internet, case studies, books including e-books, group discussions in class, home assignments, role play.

Annexure 'CD-01'

L/S	T	P	Credits	Hours
1	0	0	1	1

INTRODUCTION TO FRENCH CULTURE AND LANGUAGE / INTRODUCTION TO GERMAN CULTURE AND LANGUAGE

Course Credit: 1
Weekly Contact Hours: 1
Course Level: UG
Course Contents/syllabus:

Unit-I Introduction to French language	Contact Hours
<ul style="list-style-type: none"> • Brief introduction of French and Francophone countries • Presenting oneself • Getting information about someone else • Greeting and taking leave • Asking/giving personal information 	3 Hours
Unit-II- A rendez-vous ; Visiting a place	Contact Hours
<ul style="list-style-type: none"> • Pronouncing and writing numbers in French • Spell and count numbers • Telling the time • Temporal expressions • Communicating in class • Fixing an hour, place for a meeting. • Describing a person. • Identifying a person, object and place • Describing relation in a family • A specific person, object and place 	4 Hours
Unit-III- An interview	Contact Hours
<ul style="list-style-type: none"> • Description of objects, people and places • Nationalities • Speaking about one's professions • Expressing Actions using regular –er ending verbs; avoir, être; reflexive verbs – usage, conjugation • Interview of celebrity 	4 Hours
Unit-IV- At the discotheque	Contact Hours
<ul style="list-style-type: none"> • Portrait by a journalist • Giving a positive or negative reply • Asking questions • Discussion with a person • Activities in a day 	4 Hours

Course Learning Outcomes:

CL01	to express themselves in writing and orally in basic French.
CL02	This course content focuses on the speech of the students in a lucid and a concurrent manner using appropriate vocabulary and pronunciation techniques.
CL03	Extra stress will be given on their understanding of grammatical structures and the foreign accent of the language.
CL04	At the end of the course, the student shall be able to : <ol style="list-style-type: none"> 1. Understand information; Express in his own words; Paraphrase; Interpret and translate. 2. Apply information in a new way in a practical context 3. Analyse and break-down information to create new ideas

Text / Reference Books:

Author	Title	Publisher	Year	ISBN No
Christine Andant, Chaterine Metton, Annabelle Nachon, Fabienne Nugue	A Propos - A1 Livre De L'Eleve, Cahier D' Exercices	Langers International Private Limited	2010	978-9380809069
Manjiri Khandekar and Roopa Luktuke	Jumelage - 1 Methode De Fraincais - French	Langers International Private Limited	2020	978-9380809854
Michael Magne, Marie-Laure Lions-Olivieri	Version Originale 1: Cahier d'exercices	Maison Des Langues	2010	978-8484435617

Introduction to German Culture & Language

L/S	T	P	Credits	Hours
1	0	0	1	1

Course Contents/syllabus:

Unit-I Introduction to German Language (Einführung)	Contact Hours
<ul style="list-style-type: none"> • Introduction to German as a global language, Self-introduction and Greetings, Die Alphabeten, Phonetics: the sound of consonants and vowels, Wie buchstabieren Sie Ihren Name? 	3 Hours
Unit-II- Numbers and everyday conversation (die Zahl und Gespräche)	Contact Hours
<ul style="list-style-type: none"> • Counting in German from 1-100, Simple Calculation and verb 'kosten' - Wie viel kostet das? Plural Forms, Vocabulary: Wochentage, Monate, Jahreszeiten, Ordinal numbers and the question - Wann haben Sie Geburtstag? 	4 Hours
Unit-III- Regular verbs and nominative case: articles and pronouns (Regelmässige Verben und Nominativ Kasus: Artikel und Pronomen)	Contact Hours
<ul style="list-style-type: none"> • Introduction to all personal pronouns and conjugation of Regular verbs Detailed exercise on regular verbs. Reading a text on regular verbs. Introduction to definite. Vocabulary: Schulsachen und Getränke, Nominative case/ Articles (der, die, das) Nominative Pronouns: - 	4 Hours

Applicability of pronouns for both persons and things. Usage of nominative Personal Pronouns Introduction of nominative possessive pronouns usage of nominative possessive pronouns	
Unit-IV- The Family, Work-life and Professions (Familienmitglieder und Berufe) & Interrogative sentences (W-Fragen)	Contact Hours
The Family, Work-life and Professions (Familienmitglieder und Berufe) <ul style="list-style-type: none"> Vocabulary: Professions and conjugation of the verb 'sein' Introduction to simple possessive pronouns with the help of the verb 'haben' Usage of possessive pronouns. Interrogative sentences (W-Fragen) W-Fragen: who, what, where, when, which, how, how many, how much, etc. Exercises on the question pronouns 	4 Hours

Course Learning Outcomes: At the end of this course, the students will be able to express themselves in writing and orally in basic German. This course content focuses on the speech of the students in a lucid and a concurrent manner using appropriate vocabulary and pronunciation techniques. Extra stress will be given on their understanding of grammatical structures and the foreign accent of the language. At the end of the course, the student shall be able to:

1. Understand information; Express in his own words; Paraphrase; Interpret and translate.
2. Apply information in a new way in a practical context
3. Analyse and break-down information to create new ideas
4. Evaluate and express opinion in a given context

Text / Reference Books:

Author	Title	Publisher	Year	ISBN
Rolf Bruseke	Starten Wir A 1	Langers International Pvt Ltd (Max Hueber Verlag)	2017	978-3190160006
Giorgio Motta	Wir Plus Grundkurs Deutsch fur Junge Lerner Book	Ernst Kleit Verlag	2011	978-8183072120
Heimy Taylor, Werner Haas	Station en Deutsch Self Study Course German Guide	Wiley	2007	978-0470165515



Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)

Annexure 'CD-01'

PUNJABI/HISTORY AND CULTURE OF PUNJAB

L/S	T	P	Credits	Hours
1	0	0	1	1

Course Credit: 1

Weekly Contact Hours: 1

Course Level: UG

Course Contents/syllabus: * To be shared by AUP (*As per the proceedings of the meeting as held on 13 March'2025)



INTERIOR GRAPHICS-I

L/S	T	P	Credits	Hours
2	0	2	3	4

Course Credit: 3

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To familiarize students with the principles and theories in graphics and architectural composition. vis, the development of art in Pencil.

Course Contents/syllabus:

Unit I: Pencil as an effective presentation tool.	Contact Hours
<p>Basic Shapes & Shading:</p> <ul style="list-style-type: none"> Understanding forms and light interaction on spheres, cubes, cylinders, and cones. <p>Freehand Line Work & Observational Sketching:</p> <ul style="list-style-type: none"> Drawing from real life: Still life objects, furniture, trees, and interior elements. Exploring volumes, depth, and light play in sketches. <p>Composition & Texture Studies:</p> <ul style="list-style-type: none"> Using pencil strokes, tones, textures to create compositions. Exercises: Line & shape, tone & texture, figure-ground relationships, dimensioning, shading. 	10 Hours
Unit II: Calligraphy & Visual Communication	Contact Hours
<p>Architectural Lettering & Handwriting:</p> <ul style="list-style-type: none"> Developing professional handwriting for interior drawings & presentations. <p>Typography in Design:</p> <ul style="list-style-type: none"> Significance of fonts in formal vs. informal applications. Creative typography exercises: Posters, murals, and signage design. <p>Logo & Brand Representation:</p> <p>Basics of logo design, composition, and balance in visual identity.</p>	10 Hours
Unit III: Architectural Representation & Sketching	Contact Hours
<ul style="list-style-type: none"> Rendering Techniques: Freehand interior & exterior sketches with pencil shading & colors. Creating Depth & Realism: Understanding tones, highlights, shadows, and material textures. Landscaping Elements in Architecture: <ul style="list-style-type: none"> Sketching trees, grass, rocks, tiles, cladding materials, and water bodies. Human & Object Scale Representation: <ul style="list-style-type: none"> Depicting human figures, furniture, vehicles, and anthropometric symbols to convey scale. Exercises: Sketching people in motion, seated, standing, interacting with spaces. 	10 Hours

Unit IV: Geometrical Volumes & Scene Sketching	Contact Hours
<ul style="list-style-type: none"> • Light, Shade & Texture on 3D Forms: <ul style="list-style-type: none"> ○ Understanding light in interior spaces and creating depth using shading. ○ Exercises: Sketching simple interior spaces with shadows and highlights. • Perspective Studies: <ul style="list-style-type: none"> ○ One-point perspective drawings of interior spaces and Adding color & textures using colored pencils. • Scene Building & Dynamic Spatial Representation: <ul style="list-style-type: none"> ○ Memory-based sketching: Capturing markets, festivals, plazas, restaurants, and courtyards. ○ Interior ambiance representation: Human activity, movement, and atmosphere in spaces. 	15 Hours

Site Visits/ Case Studies:

Outdoor sketching of simple shapes and volumes; viz treating building forms, human figures, trees and vehicles as live models.

Course Learning Outcomes:

CL01	Explain and illustrate usage of pencil as a tool in Interior Design profession.
CL02	Develop design hand using calligraphy
CL03	Identify and develop understanding of interrelationship between 2D and 3D form of simple object, with the help of sketching
CL04	Depiction of 3D scenes engaging scale and proportion to determine anthropometric representations.

Text / Reference Books:

Author	Title	Publisher	Ed/Year	ISBN No	Pages
Francis D.K. Ching	Architectural Graphics	Wiley	6th Ed., 2015	9781119035664	12
B.K.S. Varma	Freehand Sketching and Rendering for Architecture and Interior Design	Jaya Publishing House	2020	9788194295778	108
John Pile, Judith Gura	A History of Interior Design	Laurence King Publishing Ltd.	2005	9781856694186	154
Yogesh K. Joglekar	Architectural Drawing	McGraw Hill Education India	2016	9789339220681	156
Michael Doyle	Colour Drawing: Design Drawing Skills and Techniques for Architects	Wiley	3rd Ed., 2011	9780471741909	152
James Richards	Freehand Drawing & Discovery: Urban Sketching and Concept Drawing for Designers	Wiley	2013	9781118232101	108
Pratap Rao	Interior Design: Principles and Practice	Standard Publishers Distributors	2018	9788180141876	160
Paul Laseau	Freehand Sketching: An Introduction	Norton & Co.	2000	9780393731124	122
Ravi Kumar Gupta	Architectural Drawing & Sketching	CBS Publishers & Distributors	2021	9788195030170	160

SECOND SEMESTER

S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-II (Residential Interiors)	6	0	0	6	6
2	Discipline Specific -Core	Interior Materials & Application-II	2	0	2	3	4
3	Multidisciplinary	History of Interior Design	2	0	0	2	2
4	Skill Enhancement Courses	Interior Drawing-II	2	0	2	3	4
5	Common Value-Added Courses	Workshop Practice-II	0	0	2	1	2
6	Common Value-Added Courses	Environmental Studies - II	2	0	0	2	2
7	Ability Enhancement Courses	Professional Etiquette and Workplace Communication	2	0	0	2	2
8	Ability Enhancement Courses	French Grammar / German Grammar	1	0	0	1	1
9	Ability Enhancement Courses	Punjabi/History and Culture of Punjab	1	0	0	1	1
10	Specialization / Minor	Interior Graphics-II	2	0	2	3	4
		Total	20	0	8	24	28

Annexure 'CD-01'

INTERIOR DESIGN STUDIO- II

L/S	T	P	Credits	Hours
6	0	0	6	6

Course Credits: 6

Weekly Contact Hours: 6

Course Level: UG

Course Objectives: To impart an understanding of perception of interior space through architectural elements. To develop the design of single-storied structure laying the emphasis on form, function and structure systems.

Course Contents/syllabus:

Unit I: Parameters of Space Design	Contact Hours
<ul style="list-style-type: none"> Introduction to design methodology. Detailed study of spaces such as living, dining, bedrooms, kitchen, toilet etc. including the furniture layout, circulation, clearances, lighting and ventilation, etc. Case study of existing house and analysis of the spaces. 	18 Hours
Unit II: Residential Spaces	Contact Hours
<ul style="list-style-type: none"> Bedroom/Drawing room: 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, color & texture. 	12 Hours
Unit III: Kitchen spaces	Contact Hours
<ul style="list-style-type: none"> Work triangle, planning for activity – anthropometrics – types of kitchens- Modular kitchens. Materials used in counters, shelves, worktops, washing areas & their comparative study. Lighting & color scheme – natural & artificial light. 	24 Hours

Unit IV: Toilets & Conveniences	Contact Hours
<ul style="list-style-type: none"> Anthropometry – various types of sanitary ware and their use – types of layouts – concepts in modern day toilet interiors – materials & finishes – color, texture & pattern. 	24 Hours
Site Visits/ Case Studies <ul style="list-style-type: none"> Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning. Field visits to enrich students’ knowledge of context development for living/ working spaces and anthropometrics. 	12 Hours

Course Learning Outcomes:

CLO1	Understanding the fundamental issues in designing spaces
CLO2	Develops the skill to create floor plans
CLO3	Analyze layouts with respect to anthropometric data.
CLO4	Evaluate the factors affecting spatial composition.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K. Ching	Architecture Form, Space and Order	John Wiley & Sons,	2014	9781118745083	464
V.S. Parmar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600
Roger, K. L.	Architect? A Candid Guide to the Profession	Cambridge: The MIT Press	1998	0262621215	304
Gopal Dwivedi	Modular Kitchen Planning & Designing Guide: A-Z Modular Kitchen Guide for Indian Homes	Notion Press	2020	978-1636339733	244
Charlotte Baden-Powell	Architect's Pocket Book of Kitchen Design	Routledge	2016	978-1138134638	232

Annexure 'CD-01'

INTERIOR MATERIALS & APPLICATION-II

L/S	T	P	Credits	Hours
2	0	2	3	4

Course Credits: 4

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To familiarize the students with detail of various building components. And to introduce the building materials their properties and application in building construction.

Course Contents/syllabus:

Unit I: Wall Construction & Finishes	Contact Hours
<ul style="list-style-type: none"> Dry wall construction: Partition wall. Wooden, metal, glass, Aluminum, Gypsum, PVC Wall finishes: Wall Papers, Texture Paints, Pointing, Eco-friendly Wall Finishes: Low-VOC paints, clay plaster, lime wash. 	8 Hours
Unit II: Wall Paneling and Cladding	Contact Hours
<ul style="list-style-type: none"> Paneling: Using wooden planks, laminated plywood, cork sheets, fiber glass wool & fabric for sound insulation and wall paneling for thermal insulation, 3D Wall Panels. Cladding Detail: Stone, metal, wooden, Tiles 	12 Hours
Unit III: Doors (Metal, Wooden, Aluminum, Glass, UPVC)	Contact Hours
<ul style="list-style-type: none"> Wall opening: - Lintel beam – Arches – Vaults Doors: Typology Doors Types: openable, sliding, folding pivoted Lodged and braced, paneled doors, glazed doors, Joinery details for doors. 	20 Hours
Unit IV: Window (Metal, Wooden, Aluminum, Glass, UPVC)	Contact Hours
<ul style="list-style-type: none"> Window Types – Casement, fixed, horizontal sliding, vertical sliding, pivoted, and top hung types Ventilators Types - top hung, bottom hung, pivoted, louvered, fixed types. Joinery details for windows, ventilators floor finish 	20 Hours

Site Visits/ Case Studies:

- Students will observe measure, sketch and annotate what they see at site and submit a site visit report to the teachers concerned for evaluation. This award shall form part and parcel of the sessional work for internal assessment.

Course Learning Outcomes:

L01	Understand classifications and usage of traditional building materials and their use in simple building work
L02	Gaining experience from quality Site visits about construction details.
L03	Select and apply appropriate building materials in specific situations
L04	Evaluate the case studies and innovate solutions in projects.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
R Barry	Building Construction	East West Press, New Delhi.	1999	8176710059	180
Don A. Watson	Construction Materials and Processes	McGraw Hill Co	1972	9780070684676	418
S.K. Duggal	Building Materials	New Age International Publishers	2021	9789387788398	600
Dr. B.C. Punmia, Er. Ashok K. Jain, Dr. Arun K. Jain	Building Construction	Laxmi Publications (P) LTD	2017	9788131804285	668

Annexure 'CD-01'

HISTORY OF INTERIOR DESIGN

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To gain insight into developments of interior elements in response to social, religious, aesthetic and environmental factors.

Course Contents/syllabus:

Unit I: Pre- Industrial Era	Contact Hours
<ul style="list-style-type: none"> Prehistoric Art, Greek Art, Roman Art Elements of style and determinants of Interior environments in Egypt, Mesopotamia, Babylonia, Chinese, Japan, Greece, Rome and Europe in Early Christian, Romanesque, Gothic, Byzantine, Renaissance, Baroque and Rococo period; Elizabethan and Neoclassic styles 	6 Hours
Unit II: Post- Industrial Era and Styles of Design	Contact Hours
<ul style="list-style-type: none"> Forces of industrialization in Europe, changes in social structure, production systems, changes in technology and its impact on the life styles, arts and crafts and interior environments. An overview of Victorian, Art Nouveau arts and crafts, Cubism, surrealism, Romanticism etc. 	8 Hours
Unit III: History of Modern Movement in Interior Design	Contact Hours
<ul style="list-style-type: none"> Art Deco, Industrial Design, Emergence and Spread of Modernism, Late Modernism. (Van Gogh, Paul Gauguin, Paul Cezanne) Fauvism (Henri Matisse). Evolution of Interior Design in India. Elements of style, interior environment, furniture etc. 	8 Hours
Unit IV: Post Impressionism	Contact Hours
<ul style="list-style-type: none"> Cubism (Picasso, Piet Mondrian) (Relate the western art with Architecture, costumes & textiles of the particular period). various fields of design affecting interior ambiances directly – international modernism, regionalism and concerns with vernacular etc Designers and their works with respect to interior architecture and interior elements of design. Contemporary expressions of styles and art forms 	8 Hours

Course Learning Outcomes:

CL01	Acquire the knowledge to identify the common characteristics among the monuments of a particular style.
CL02	Acquire graphic skills to present and analyze the elements and explain its composition
CL03	Relating good practices of Interior Design in the past to the present applications

CL04	Assess historical themes and concepts for contemporary designs
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Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Dr. Meenakshi Dubey	Indian Rock Art - Prehistoric Paintings of the Pachmarhi Hills.	Bradshaw Foundation	1999	8176710059	180
Kanti Chandra Pandey	Comparative aesthetics. Vol. I. Indian aesthetics. Second edition.	Cambridge University Press	2009	8170804450	1368
David G. Saile	Architecture in Cultural Change: Essays in Built Form and Culture Research	School of Architecture and Urban Design, University of Kansas,	1986	--	175
Alan Colquhoun	Modern Architecture, History of Arts	Oxford University Press	2002	9780192842268	406
John Pile, Judith Gura	A History of Interior Design	Laurence King Publishing Ltd.	2005	9781856694186	464
Frederick M. Asher	Art of India: Prehistory to the Present	Encyclopedia Britannica	2003	0852298137	501
Percy Brown	Indian Architecture (Buddhist and Hindu)	Kiran Book Agency	2010	9781446510216	216
Percy Brown	Indian Architecture (Islamic Period)	Sun glory Enterprises	2005	9788123924564	125

INTERIOR DRAWING-II

L/S	T	P	Credits	Hours
2	0	2	3	4

Course Credits: 3

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To enable the students draw 3D drawings manually and develop the understanding of perspective drawings.

Course Contents/syllabus:

Unit I: Isometric projections	Contact Hours
<ul style="list-style-type: none"> Metric drawings, projections and their dimensions. Types used & advantage • Isometric, Axonometric & Oblique view • Metric drawings, projections and their dimensions • Difference between perspective and metric projections Isometric of simple forms. 	10 Hours
Unit II: Axonometric projections	Contact Hours
<ul style="list-style-type: none"> Axonometric of simple architectural forms and of simple household furniture items Developing Axonometric views at 45 degrees inclination for table, chairs, stools, exterior views of single storeyed structures in different shapes. 	10 Hours
Unit III: Perspective Drawing (One Point perspective)	Contact Hours
<ul style="list-style-type: none"> Anatomy of perspective: Station point, Eye level, Cone of vision, Picture plane, Horizon line, Ground line, Vanishing points • Types of perspectives: One point, 2- point, 3 points Parallel Perspective- One point and two points perspectives of interiors • Perspective of different Solids and Building elements 	20 Hours
Unit IV: Perspective Drawing (Two Point perspective)	Contact Hours
<ul style="list-style-type: none"> Introduction to theory of Geometrical Perspective Drawing. Angular (Two Point Perspective) of building exterior and simple architectural forms 	20 Hours

Course Learning Outcomes:

CL01	Explain and illustrate usage of various manual drafting tools and techniques, used in Architecture profession.
CL02	Identify and develop understanding of interrelationship between 2D and 3D form of simple object, with the help of orthographic Projections
CL03	Analyze the sectional modeling of 3D solids through drawings
CL04	Build and Create, 3D paper models, of simple built form, using surface development technique



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Ching, Francis D.K.	Architecture: Form, Space, and Order	Wiley	2014	978-1118745083	464
Leslie, Martin	Architectural Graphics	Wiley	1986	978-0471289397	256
B. James	Essentials of Drafting	McGraw-Hill Education	2000	978-0071347201	400
Pradeep Jain, AK Gautam	Engineering Graphics and Design	Firewall Media	2014	978-8192107523	440
H. Joseph, Morris	Practical Plane and Solid Geomerty	S. Chand & Company Ltd	2004	978-8121905604	752
Gill, Robert	Rendering with Pen and Ink	Watson-Guptill	1997	978-0823045298	160
N. D. Bhatt	Elementary Engineering Drawing: Plane and Solid Geometry	Charotar Publishing House	2017	978-8172154819	750



Annexure ‘CD-01’

WORKSHOP PRACTICE-II

L/S	T	P	Credits	Hours
0	0	2	1	2

Course Credits: 1

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To familiarize students with advanced style in contemporary art and craft. Their creation and application process.

Course Contents/syllabus:

Unit I: Ideation of Product design	Contact Hours
<ul style="list-style-type: none"> • Conceptualize, design, and develop interior accessories that enhance functionality, aesthetics, and user experience within interior spaces. • Understanding user preferences, lifestyle habits, and spatial requirements in interior accessories design. • Through a combination of theoretical studies, design exercises, and practical projects, students will explore the principles of product design, materials, manufacturing processes, and market trends specific to interior accessories. Project like lamp design, Book shelf design, Pen Stand, Paper Mache projects, artifacts with natural materials like bamboo etc. Can be taken up in studio. 	6 Hours
Unit II: Brick Masonry and Stone Masonry	Contact Hours
<ul style="list-style-type: none"> • Scaled live examples in construction courtyard- Brick and Stone Masonry • Fundamental principles and techniques of bricklaying and Stonework laying through hands-on practice and demonstrations. • Bonding and Jointing: Techniques for applying mortar, setting bricks, and forming uniform joints. • Practice sessions on achieving proper bonding, alignment, and spacing in brick walls • Characteristics, properties, and suitability of various stone types for different applications. • Techniques for cutting, shaping, and dressing stone using hand tools and power tools. • Methods for setting stone in mortar, including bedding, leveling, and aligning. <p>Note: Coordination with the Interior Materials and Applications –I/II is desirable for teaching-learning of this Unit</p>	8 Hours
Unit III: Wall Partition and Paneling	Contact Hours
<ul style="list-style-type: none"> • Introduction to different types of wall partitions (fixed, movable, sliding, folding) and paneling materials (wood, glass, gypsum, metal, PVC, fabric, etc.). • Hands-on understanding of framing, fixing methods, joinery techniques, and surface finishes used in partitions and paneling. • creating scaled models or prototypes using various materials, 	8 Hours

demonstrating joinery details and finishes. <i>Note: Coordination with the Interior Materials and Applications –I/II is desirable for teaching-learning of this Unit</i>	
Unit IV: Model Making	Contact Hours
<ul style="list-style-type: none"> • Introduction to Model Making: Importance of models in the design process for visualizing spatial relationships, proportions, and details. Overview of different types of models, including conceptual, presentation, and working models. • Scale and Proportion: Understanding scale factors and proportional relationships in model making. Techniques for scaling down design elements while maintaining accuracy and coherence. • Materials and Construction Techniques: Study of materials commonly used in model making, such as foam board, balsa wood, acrylic, and 3D printing materials. Hands-on experience with cutting, shaping, joining, and finishing techniques for building models. • Presentation and Communication: Strategies for effectively presenting and communicating design ideas through physical models. Considerations for lighting, context, and narrative in model displays <p><i>Note: Coordination with the Interior Design Studio is desirable for teaching-learning of this Unit.</i></p>	8 Hours

Course Learning Outcomes:

CL01	Acquaint with mosaic for production of crafts
CL02	Gain hands-on exploration of possible mediums such as ceramics, sculpture, paper-mache and various combinations of the above
CL03	Analyze case studies for replicating crafting techniques in interiors
CL04	Evaluate methods and mediums for decorating various surfaces in interiors

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Nick Dunn	Architectural Model making	Laurence King Publishing	2014	978-1780673141	192
David Woodcock	Model Making for Architects	Routledge	2012	978-0415505137	192
Michael D. Brooks	Model Making in the School: A Book on Architectural Models	Nabu Press	2010	978-1148641490	96
David Neat	Model-Making: Materials and Methods	Thames & Hudson	2012	978-0500290249	240



ENVIRONMENTAL STUDIES - 2

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To develop basic understanding of the environment and role of humans in shaping it.

Course Contents/syllabus:

Unit-1- Environmental Pollution	Contact Hours
Environmental Pollution: types, Cause, effects and controls –Air, water, soil, chemical and noise pollution. <ul style="list-style-type: none"> • Nuclear hazard and human health risk • Solid waste Management-control measures of urban and industrial waste. • Pollution case studies. 	6 Hours
Unit-2- Environmental Policies and practices	Contact Hours
Environmental Policies and practices: <ul style="list-style-type: none"> • Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. • Environment laws: Environment Protection Act; Air (Prevention and Control of Pollution) Act; Water (Prevention and Control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act, international agreements: Montreal and Kyoto protocols and convention on biological diversity (CBD), The Chemical Weapons Convention (CWC). • Natural reserves, tribal population and rights and Human-wildlife conflict in Indian context. 	8 Hours
Unit-3- Human communities and the Environment	Contact Hours
Impacts on environment, human health and welfare. <ul style="list-style-type: none"> • Carbon foot-print. • Resettlements and rehabilitation of project affected persons, case studies. • Disaster management: floods, earthquake, cyclone and landslides. • Environmental movements: Chipko, Silent valley, Bishnoi's of Rajasthan. • Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. • Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi). 	8 Hours
Unit-4- Field work	Contact Hours
<ul style="list-style-type: none"> • Visit to an area to document environmental assets: river/forest/flora/fauna, etc. • Visit to local polluted Site-Urban/Rural/Industrial/Agricultural • Study of common plants, insects, birds and basic principles of 	8 Hours

identification.

- Study of simple ecosystems-pond, river, Delhi Ridge, etc.

Course Learning Outcomes:

CL01	Understanding the types of pollution and their impact on environment and human health.
CL02	Understand and analyze environmental policies and practices, and their impact on humans and agriculture.
CL03	Evaluate environmental issues and concerns, creating proactive actions to improve conditions in daily life.
CL04	Analyze the impact of natural and man-made disasters on human populations, settlements, and the role of ethics in disaster reduction.
CLO5	Apply practical approaches and create solutions to solve environmental concerns.

Text / Reference Books:

AUTHOR	TITLE	Publisher	Year of publication	ISBN	Pages
William P. Cunningham, Mary Ann Cunningham	Principles of Environmental Science	McGraw-Hill	2019	9781260219715	--
William P. Cunningham, Mary Ann Cunningham, Barbara Woodworth Saigo	Environmental Science: A global concern,	McGraw-Hill	2021	9781260363821	--
Gurjar B. R., Molina L.T., Ojha C.S.P. (Eds.)	Air Pollution: Health and Environmental Impacts	CRC	2010	9781439809624	--
Elaine M.A. and Bugyi G.(Eds.)	Impact of Water Pollution on Human Health and Environmental Sustainability (Practice, Progress, and Proficiency in Sustainability)	Idea Group, U.S	2016	978-1466695597	--



PROFESSIONAL ETIQUETTE AND WORKPLACE COMMUNICATION

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2
Weekly Contact Hours: 2
Course Level: UG

Course Objectives: This course is aimed to equip students with effective written and employment communication. In this course, students will learn some theoretical inputs into the difference between written and oral communication, the process of writing, its different types and strategies the correct format of business documents, and cross-cultural communication, persuasion and employment communication.

Course content and syllabus

Unit I—Writing Process & Workplace Communication	Contact Hours
<ul style="list-style-type: none"> • Writing process: Pre-writing, writing & post writing • 7Cs of Writing • Business Letters • Notice • Agenda • Minutes of meeting • Virtual Meeting and Video Conferencing • Nuances of conducting effective meetings 	6 Hours
Unit II—Presentation Skills	Contact Hours
<ul style="list-style-type: none"> • Planning, preparation, Practice, Performance • Audience analysis • Analysing the nonverbal communication • Story-Telling • Methods of Delivery: Impromptu, Extemporaneous, • Memorisation, Manuscript, Outlining 	8 Hours
Unit III— Professional Etiquette	Contact Hours
<ul style="list-style-type: none"> • Power Dressing • Telephonic Manners/ Voice mail etiquette • Business Salutation Etiquette • Different Cultural Etiquette & Protocol • Teamwork • Time-Management 	8 Hours
Unit IV- Cross Cultural Communication	Contact Hours
<ul style="list-style-type: none"> • Cross Cultural Communication: meaning and significance • Definition of Culture • Elements of Culture • Characteristics of Culture • Culture and Context • Cultural Shock: Meaning and Stages • Ethnocentrism, 	8 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Stereotyping, Xenophobia and Cultural Relativism · Strategies for Effective Communication in multicultural context · Acculturation

Course Learning Outcomes:

CL01	Understand the nature, importance, and process of written communication
CL02	Deliver effective presentations in contexts that may require power point, extemporaneous or impromptu oral presentations
CL03	Acquire and exhibit professional etiquette.
CL04	Respect other cultures and develop rapport in a multi-cultural society, thereby developing a broadened unbiased perspective.

Text / Reference Books:

AUTHOR	TITLE	Publisher	Year of publication	ISBN	Pages
Herta Murphy, Herbert Hildebrandt, Jane Thomas	Effective Business Communication	McGraw Hill Education	2017	978-0070187757	640
Karen Schneiter Williams, Joyce P Logan, A.C. Buddy Krizan, Patricia Merrier	Communicating in Business	Cengage Learning India Private Limited	2012	978-8182093195	712
Ryan Sharma	The Unwritten Rules of Professional Etiquette	Habile Press	2020	978-1734980509	122

Annexure 'CD-01'

FRENCH GRAMMAR / GERMAN GRAMMAR

L/S	T	P	Credits	Hours
1	0	0	1	1

Course Credits: 1

Weekly Contact Hours: 1

Course Level: UG/PG

Course Objectives: This course enables the students to read, comprehend, and analyze a wide range of texts such as small paragraphs and comprehensions in French. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written French as well as demonstrate cultural awareness.

Course Contents/syllabus:

Unit-I: My family and my house	Contact Hours
Descriptors/Topics <ul style="list-style-type: none"> • Talk about your family members • Usage of possessive adjectives • Describe your house/apartment • Prepositions of location • Negation 	3 Hours
Unit-II- Lifestyle	Contact Hours
<ul style="list-style-type: none"> • Descriptors/Topics • Talk about your hobbies and pastimes • Usage of appropriate articles: definite and contracted • Talk about your daily routine • Usage of pronominal verbs 	4 Hours
Unit-III- In the city	Contact Hours
<ul style="list-style-type: none"> • Descriptors/Topics • Filling up a simple form • Ask for personal information • Usage of interrogative adjectives • Give directions about a place • Ordinal numbers • Usage of demonstrative adjectives 	4 Hours
Unit-IV- Week-end	Contact Hours
<ul style="list-style-type: none"> • Descriptors/Topics • Talk about your week-end plans • Usage of disjunctive pronouns • Usage of Near Future tense • Talk about weather • Write a simple post card 	4 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Course Learning Outcomes: At the end of this course, the students will be able to interact in a simple way on everyday topics. This course content focuses on the speech of the students in a lucid and a concurrent manner using appropriate vocabulary and pronunciation techniques. Extra stress will be given on their understanding of grammatical structures and the foreign accent of the language. At the end of the course, the student shall be able to:

- Understand information; Express in his own words; Paraphrase; Interpret and translate.
- Apply information in a new way in a practical context
- Analyze and break-down information to create new ideas
- Evaluate and express opinion in a given context

Text / Reference Books:

Author	Title	Publisher	Year of Publication	ISBN No
Christine Andant, Catherine Metton, Annabelle Nachon, Fabienne Nugue,	A Propos - A1, Livre de l'élève et Cahier d'exercices.	Langers International Pvt. Ltd.	2010	978-9380809069
Collins Dictionaries	Easy Learning French Complete Grammar, Verbs and Vocabulary	Collins	2016	978-0008141721
Nikita Desai, Samapita Dey Sarkar	Apprenons La Grammaire Ensemble - French	Langers International Pvt. Ltd.	2017	978-8193002681

Annexure 'CD-01'

Course Title: GERMAN GRAMMAR

Credit Units: 1

Weekly Contact Hours: 1

Course Level: UG/PG

Course Objectives: To help students learn:

- how to tell time.
- to write simple sentences and conversations using irregular verbs.
- to frame sentences with one subject and direct objects also revising the Nominative case done in the previous semester.

L/S	T	P	Credits	Hours
1	0	0	1	1

Course Contents/syllabus:

Module I: Time (Uhrzeit); People and the World: Land, Nationalität und Sprache	Contact Hours
<ul style="list-style-type: none"> • Introduction of time • Read text related to time and teach the students the time expressions • Exercises related to Time • Adverbs of time and time related prepositions • Vocabulary: Countries, Nationalities, and their languages • Negation: "nicht/ kein" • Ja/Nein Fragen. • All the colors and color related vocabulary, adjectives, and opposites • Exercises and comprehension for the same. 	3 Hours

Module II: Irregular verbs (unregelmässige Verben)	Contact Hours
<ul style="list-style-type: none"> • Introduction to irregular verbs and their conjugation e.g. fahren, essen, lesen etc • Read a text related to the eating habits of Germans • Vocabulary: Obst, Gemüse, Kleiderstück with usage of irregular verbs • Free time and hobbies • Food and drinks 	4 Hours
Module III: Accusative case: articles and pronouns (Akkusativ Kasus: Artikel und Pronomen)	Contact Hours
<ul style="list-style-type: none"> • Introduction to the concept of object (Akkusativ) • Formation of sentences along with the translation and difference between nominative and accusative articles • Usage of accusative Definite articles • Usage of accusative Indefinite articles 	4 Hours
Module IV: Accusative case: possessive pronouns (Akkusativ Kasus: Possessivpronomen) Family and Relationship	Contact Hours
<ul style="list-style-type: none"> • Accusative Personal Pronouns: - Revision of the nominative personal pronouns and introduction of accusative. Applicability of pronouns for both persons and things. • Usage of accusative Personal Pronouns • Introduction of accusative possessive pronouns • Difference between nominative and accusative possessive pronouns • usage of accusative possessive pronouns 	4 Hours

Course Learning Outcomes: After completing these modules, the students will be capable of constructing sentences with possessive and demonstrative adjectives in German. In addition, they will be proficient in formulating meaningful sentences as they will be capable of applying their knowledge of all the irregular verbs they have learnt during the session. They will also have an idea of German culture by studying about various German festivals.

At the end of the course, the student shall be able to:

- Understand information; Express in his own words; Paraphrase; Interpret and translate.
- Apply information in a new way in a practical context
- Analyse and break-down information to create new ideas
- Evaluate and express opinion in a given context

Text / Reference Books:

Author	Title	Publisher	Year	ISBN No	Pages
Dora Schulz, Heinz Griesbach	Deutsche Sprachlehre Fur Auslander	Max Hueber Verlag	1984	978-3190010066	-
Hartmut Aufderstrasse, Jutta Muller, Helmut Muller	Themen Aktuell: Glossar Deutsch	Max Hueber Verlag	2003	978-3190816903	-
Giorgio Motta	Wir Plus Grundkurs Deutsch fur Junge Lerner Book German Guide	Goyal Publishers	2011	9788183072120	248



Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)

Annexure 'CD-01'

PUNJABI/HISTORY AND CULTURE OF PUNJAB

L/S	T	P	Credits	Hours
1	0	0	1	1

Course Credit: 1

Weekly Contact Hours: 1

Course Level: UG

Course Contents/syllabus: * To be shared by AUP (*As per the proceedings of the meeting as held on 13 March'2025)

INTERIOR GRAPHICS-II

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2
Weekly Contact Hours: 2
Course Level: UG
Course Objectives: To impart the techniques of rendering in different media and skills of three-dimensional visualization and presentation.

Course Contents/syllabus:

Unit I: Pen and Ink as presentation tools.	Contact Hours
<ul style="list-style-type: none"> • Introduction to Pen & Brush Techniques: Exercises on freehand lines, hatching, cross-hatching, stippling, ruling, and brush strokes. • Tonal Studies & Rendering: Creating value scales, grey tones, and graded textures. • Monochrome & Wash Rendering: Exploring light-dark contrasts and depth. • Exercises: <ul style="list-style-type: none"> ○ Line and texture rendering drills. ○ Tonal shading of geometric solids. ○ Wash rendering of simple interior compositions. 	6 Hours
Unit II: Rendering with Pencil Crayons & Oil Pastels	Contact Hours
<ul style="list-style-type: none"> • Surface Texture Rendering: Techniques for representing brick, stone, timber, glass, grass, and metals. • Human & Object Representation: Trees, people, automobiles, lamp posts, and street furniture in plan, elevation, and perspective views. • Colour Theory & Application: Understanding primary, secondary, and tertiary colour schemes in interior spaces. • Exercises: <ul style="list-style-type: none"> ○ Textural studies in different media. ○ Rendering of materials with pencil colours and oil pastels. ○ Creating colour compositions for interior spaces. 	6 Hours
Unit III: Perspective Drawing & Visualization	Contact Hours
<ul style="list-style-type: none"> • Perspective Types: One-point, two-point, and introduction to three-point perspective. • Interior Perspectives: Drawing and rendering rooms, corridors, and furniture layouts. • Rendering in Multiple Media: Using pencil, pen, charcoal, pastels, and watercolours to enhance depth. • Composition & Detailing: Integrating landscape elements, human figures, shadows, and foreground elements. • Exercises: <ul style="list-style-type: none"> ○ Perspective views of interior spaces. ○ Layering and rendering techniques for enhanced realism. 	6 Hours

Unit IV: Introduction to Sciography	Contact Hours
<ul style="list-style-type: none"> • Shadows in Architecture: Shade and shadow construction on horizontal and vertical planes. • Sciography in Built Forms: Shadows on geometric solids and architectural components. • Concept Sketching & Speculative Drawings: Diagramming, abstract compositions, and exploratory sketches. • Presentation Drawings: Creating graphical presentations and concept visualizations. • Exercises: <ul style="list-style-type: none"> ○ Sciography studies on simple and composite forms. ○ Shadow studies of architectural models. ○ Creating conceptual compositions with light and shade interplay. 	8 Hours
<p>Site Visits / Case Studies</p> <ul style="list-style-type: none"> ○ Outdoor sketching to observe light, shade, and shadows on various shapes and architectural elements. ○ Visits to urban environments to analyze material textures, color interactions, and human-scale elements in real-life contexts. 	4 Hours

Course Learning Outcomes:

CLO1	Understand the techniques of architectural drawing pertaining to 3D views and perspectives, sciography and rendering.
CLO2	Develop handwriting using calligraphy
CLO3	Identify and develop understanding of three-dimensional visualization and presentation.
CLO4	Evaluate rendering methods in different media

Text / Reference Books:

Author	Title	Publisher	Ed./Year	ISBN No	Pages
Pratap Mulick	Sketching	Jyotsna Prakashan	2006	9788179251041	-
Gill Robert W	Rendering with Pen & Ink	Thames & Hudson	1984	9780500680261	400
Francis D.K. Ching	A Visual Dictionary of Architecture	John Wiley & Sons	2011	978-470648858	336
Morris, I. H.	Geometrical Drawing for Art Students	Longmans	2006	978-8125026099	100
Francis D.K. Ching	Architectural Graphics	CBS Publishers & Distributors	2015	978-1119035664	272
N.D. Bhatt	Elementary Engineering Drawing	Charotar Publishing	2014	978-9380358247	552
Yatin Pandya	Elements of Space Making	Mapin Publishing	2007	978-8188204169	248
B.S. Foster	Perspective Drawing: A Designer's Method	W.W. Norton & Company	2000	978-0393731125	160
K.L. Narayan	Engineering Drawing	New Age International	2012	978-8122433333	320
M.G. Shah, C.M. Kale	Building Drawing	Tata McGraw-Hill	2002	978-0074620218	300

SECOND YEAR

THIRD SEMESTER

S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-III (Office Interiors)	6	0	0	6	6
2	Discipline Specific -Core	Interior Materials & Application-III	4	0	0	4	4
3	Discipline Specific -Core	Graphics and Computers-I (In-Design, Illustrator, Figma)	1	0	2	2	3
4	Discipline Specific -Core	Service Design-I (P.H.)	2	0	0	2	2
5	Multidisciplinary	Upholstery and Furnishings	2	0	0	2	2
6	Skill Enhancement Courses	Modular Design	2	0	2	3	4
7	Ability Enhancement Courses	Structure Systems-I	2	0	0	2	2
8	Specialization / Minor	Furniture Design	2	0	2	3	4
		Total	21	0	6	24	27

Annexure 'CD-01'

INTERIOR DESIGN STUDIO- III

L/S	T	P	Credits	Hours
6	0	0	6	6

Course Credits: 6

Weekly Contact Hours: 6

Course Level: UG

Course Objectives: To develop the design of office buildings with respect to site, landscape, climate and Socio-economic conditions in urban context. & the application of anthropometrics

Course Contents/syllabus:

Unit I: General offices & Workstations	Contact Hours
<ul style="list-style-type: none"> Interior designing for multi-functional, multi-level planning, design and detailing of various work spaces, interactions zones. 	18 Hours
Unit II: Front Office and Public Interaction Spaces	Contact Hours
<ul style="list-style-type: none"> Design of Interactive spaces including reception desk, Atria, Lounges-Formal & Informal 	12 Hours
Unit III: Private offices	Contact Hours
<ul style="list-style-type: none"> Planning for small offices – office of professionals viz; architects, interior designers, lawyer, journalists Cas and auditors – individual layouts, Modular units: -play with levels, colour scheme & Lighting – natural & artificial light etc. 	24 Hours
Unit IV: MNC Interiors	Contact Hours
<ul style="list-style-type: none"> Design of corporate Environments such as BPO, corporate offices for large scale Multi-National Organizations, BPOs etc. 	24 Hours
Site Visits/ Case Studies	Contact Hours
<ul style="list-style-type: none"> Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning. 	12 Hours

- | | |
|---|--|
| <ul style="list-style-type: none"> • Field visits to enrich students' knowledge of context development for anthropometrics, scale and proportion | |
|---|--|

Site Visits/ Case Studies:

- Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning.
- Field visits to enrich students' knowledge of context development for well-designed residences and public spaces.

Course Learning Outcomes:

CLO1	Develop understanding of workspace ambience
CLO2	Outline Design hierarchy of workspaces and its application in interior design.
CLO3	Create multi-dimensional interaction spaces for public offices
CLO4	Evaluate the parameters of office interiors in specific settings and iterate customized solutions.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K. Ching	Architecture Form, Space and Order	John Wiley & Sons,	2014	9781118745083	464
V.S. Pramar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600
Roger, K. L.	Architect? A Candid Guide to the Profession	Cambridge: The MIT Press	1998	0262621215	304
Nicola Gillen	Future Office: Next-generation workplace design	RIBA Publishing	2019	978-1859468456	176
Susan Szenasy	Office Furniture (The Office Book Design Series)	Facts On File Inc	1985	978-0871968111	96
Ana Martins	Where We Work: Design Lessons from the Modern Office	Frame Publishers BV	2021	978-9492311504	320

INTERIOR MATERIALS & APPLICATION-III

L/S	T	P	Credits	Hours
4	0	0	4	4

Course Credits: 4

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To familiarize the students with detail of Building Components. And to introduce the building materials their properties and application in building construction.

Course Contents/syllabus:

Unit I: Application of Advanced materials in Interiors	Contact Hours
<ul style="list-style-type: none"> • Understanding various innovative interior and construction materials available worldwide, their properties, appearance, dimensions etc • Advanced finishes, textures imparting extra-ordinary outlook 	8 Hours
Unit III: Natural Flooring	Contact Hours
<ul style="list-style-type: none"> • Application & Fixing Details of types of flooring <ul style="list-style-type: none"> ○ Wooden Flooring ○ Mosaic Flooring ○ Stone Flooring ○ Bamboo Flooring 	16 Hours
Unit III: Synthetic Flooring	Contact Hours
<ul style="list-style-type: none"> • Application & Fixing Details of types of flooring <ul style="list-style-type: none"> ○ Tile Flooring ○ Vinyl Flooring ○ Carpet Flooring ○ Rubber Flooring 	16 Hours
Unit IV: Staircase	Contact Hours
<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, Glass Staircase, synthetic materials). • Details of handrails & balusters. Designing and detailing for physically handicapped 	20 Hours

Site Visits/ Case Studies:

- Students will observe measure, sketch and annotate what they see at site and submit a site visit report to the teachers concerned for evaluation. This award shall form part and parcel of the sessional work for internal assessment.

Course Learning Outcomes:

CL01	Understand classifications and usage of Advanced building materials and their use in Building Interiors
CL02	Gaining experience from quality Site visits about construction details.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

CL03	Select and apply appropriate building materials in specific situations
CL04	Evaluate the case studies and innovate solutions in projects.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
R Barry	Building Construction	East West Press, New Delhi.	1999	8176710059	180
Don A. Watson	Construction Materials and Processes	McGraw Hill Co	1972	9780070684676	418
S.K. Duggal	Building Materials	New Age International Publishers	2021	9789387788398	600
Dr. B.C. Punmia, Er. Ashok K. Jain, Dr. Arun K. Jain	Building Construction	Laxmi Publications (P) LTD	2017	9788131804285	668



GRAPHICS AND COMPUTERS-I

L/S	T	P	Credits	Hours
1	0	2	2	3

Course Credits: 2

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: The objective of the course is to digitally design & present an in-depth, innovative & creative collection by using multiple design software & techniques such as Adobe Illustrator.

Course Contents/syllabus:

Unit I: Getting Started with Illustrator	Contact Hours
<ul style="list-style-type: none"> • Introduction of vector & Bitmap, file format, Illustrator interface, Palettes, drawing motif with pen tool, transforming motif with rotation, reflect tools • Manipulating shapes with path finder, shape builder tool, live bucket tool. 	9 Hours
Unit II: In-design	Contact Hours
Introduction to InDesign <ul style="list-style-type: none"> • workspace, tools, and panels. New document with custom sizes, margins, and bleed settings. • Grids, guides, and columns for precise layout control. • Add and format text: Type tool, paragraph, and character styles. Align and wrap text around images, ensuring smooth integration into layouts. • Define and apply colours through the colour panel and swatches. Create and apply gradients to objects and text for dynamic visual effects. • Draw and modify shapes (rectangles, ellipses, polygons) and align/distribute them. layers for complex layouts 	12 Hours
Unit III: Figma	Contact Hours
<ul style="list-style-type: none"> • File Creation & Setup: set up frames (artboards), and apply layout grids (e.g., Bootstrap). • Text & Backgrounds: backgrounds for text columns, images (import, crop, round corners). • Vector Graphics & Styling: Import vectors, align/distribute layers, use colour styles, manage layer opacity vs. fill opacity, and shadows. • Components & Prototyping: Create/edit components, override content, and link frames for clickable prototypes. overlays, fix positions of elements, and prototypes. • Exporting & Sharing: Export (SVG, JPEG, PNG), files and prototypes, comment, and provide developer specs. • Auto Layout: Auto Layout for spacing, rearranging, and alignment. Nest layouts, gap spacing, padding • Text Styles & Hyperlinks: organize text styles, and Component Variants & States: 	12 Hours

Unit IV: Photoshop	Contact Hours
<ul style="list-style-type: none"> • Getting started with Adobe Photo-shop <ul style="list-style-type: none"> a) Introduction of Vector & Bitmap, file formats, Resolution for different devices b) Photo-shop Palettes - Layer, Channels & Paths c) Introduction of Photo-shop selection Tools (Marquee, Magic Wand, Quick Selection tool, Pen Tool) • Graphics & Prints for Fashion, Lifestyle & Interior Products -1 <ul style="list-style-type: none"> a) Photo Montage & Collages b) Graphics for T-shirt (Placements), Products Accessories, Fabrics & Interiors c) Compositions for Magazine/Advertisements • Graphics & Prints for Fashion, Lifestyle & Interior Products- 3 <ul style="list-style-type: none"> a) From Pencil to digital Format (Scanning, Tracing sketched work) b) Repeats and Pattern (geometrical & seamless) c) Colourways & Colour Separation for Prints (manual printing/digitally printing) 	12 Hours

Course Learning Outcomes:

CLO1	Understand computer modeling techniques using AutoCAD
CLO2	Produce correct and professionally presented drawings, design ideas, proposals and models
CLO3	Demonstrate and apply basic knowledge of commands of AutoCAD
CLO4	Present sketching, model making, technical drawing and AutoCAD, into an acceptable professional standard of communication

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
James A. Leach, Shawna Lockhart	AutoCAD 2022 Instructor	SDC Publications	2021	978-1630574208	1300
Sandeep Dogra	AutoCAD 2022 for Architectural Design: A Power Guide for Beginners and Intermediate Users	CADArtifex	2021	978-8195345250	482
Dean Muccio	AutoCAD 2020 for the Interior Designer	SDC Publications	2021	978-1630574284	426
Munir Hamad	AutoCAD 2022 3D Modeling	Mercury Learning & Information	2021	978-1683927273	400



SERVICES DESIGN-I (P.H.)

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To acquaint the students with the basic principles used in all basic building services with regards to Water supply, Sanitation, and storm water drainage

Course Contents/syllabus:

Unit I: Water Supply	Contact Hours
<ul style="list-style-type: none"> • Requirements of water supply to different types of buildings, fixtures, methods of distribution of water • Grey water systems and low-low fixtures for sustainable design • Sizing of vessels for storage - Types of hot water systems- Central system, Solar heaters 	6 Hours
Unit II: Municipal water distribution systems	Contact Hours
<ul style="list-style-type: none"> • Brief description of rainwater harvesting and water table recharging techniques and their integration in building design. • impact of water pressure on interior fixture performance. 	6 Hours
Unit III: Sanitation Systems	Contact Hours
<ul style="list-style-type: none"> • Classification of sanitary fixtures • Ablution fixtures - wash basins - sinks- Kitchen, Janitor Bathroom fixtures – shower trays - Bathtubs - Soil fixtures Water Closets - WC - floor & wall mounted - Indian water closet – Anglo – Indian water closets – Urinals Bowl, Stall, Aqua free - Squatting plate - Bidet – Slop sinks • Material selections for sanitary fixtures, and the cleaning and maintainability of those materials. 	6 Hours
Unit IV: Drainage	Contact Hours
<ul style="list-style-type: none"> • Drainage layout for building premises, kitchen, utility and toilet layouts, fixtures and fittings and their impact on wall placement and flooring. • Water proofing using different materials and design in wet areas and materials used. 	9 Hours
Site Visits/ Case Studies:	Contact Hours
<ul style="list-style-type: none"> • Layouts of services will be introduced on the basis of live case studies and site visits as mandatory component of Services design to impart experiential learning. • Field visits to enrich students' knowledge of context development for well-designed residences and public spaces. 	3 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Course Learning Outcomes:

CL01	Gain knowledge of sanitary and water supply systems in the interiors.
CL02	Understand principles and installations of general and specialized services in the interiors.
CL03	Analyze the significance of design and functioning of water and sewerage systems as essential components in Interior Design
CL04	Design the layout, functioning and application of utilities and P.H. services in the interior

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Birdie, J. S. & Birdie, G. S	Water Supply and Sanitary Engineering	Dhanpat Rai Publishing Company (p) Ltd	2010	978-8187433798	984
Fred Hall, Roger Greeno	Building Services Handbook	Routledge	2015	978-1138805637	768
Bureau of Indian Standards	The National Building Code	BIS Publications	2020	978-8170610991	2246
Gurcharan Singh	Water Supply and Sanitary Engineering	Standard Publishers & Distributors	2020	978-8180140297	968
Rangwala	Water Supply And Sanitary Engineering	Charotar Publishing House Pvt. Ltd.	2016	978-9385039201	800

Annexure 'CD-01'

UPHOLSTERY & FURNISHINGS

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To familiarize students with the need and requirement of upholstery and furnishings and their construction methods.

Course Contents/syllabus:

Unit I: Introduction to Fabrics	Contact Hours
<ul style="list-style-type: none"> Fabric, yarn and fiber structure, Fabric structure- woven- warp, weft, selvedge, knitted- course, non-woven, Fabric types and classification- woven, including plain, twill, satin, Jacquard, crepe and pile weaves, knitted- including single knit, double knit, tricot knit, pile knit, lace and net, Non-woven-including felts webs and films, identification and properties of fabrics, yarns and fibres. 	6 Hours
Unit II: Application of elements and Principles of Furnishing Design	Contact Hours
<ul style="list-style-type: none"> Application of elements and principles of design across a range of textiles Textile arts and crafts in interiors, traditional and modern materials and methods. 	8 Hours
Unit III: Upholstery fabrics	Contact Hours
<ul style="list-style-type: none"> Cotton, linen, silk, rayon, acrylic, vinyl, polyester, etc. Preparing samples on tie and die printing, macramé and braiding. 	8 Hours
Unit IV: Furnishings	Contact Hours
<ul style="list-style-type: none"> Furnishings-classification, types of curtains, curtain construction, selection criteria relation to backgrounds in walls, floors and ceilings. Draperies, shades, blinds, cushion covers, bed linen and table linen Floor coverings - rugs and carpets, types selection, care and maintenance, installation of floor coverings 	8 Hours

Course Learning Outcomes:

CL01	Acquaint with fabric materials for production of art work
CL02	Apply different textiles for production various types of art work
CL03	Analyze samples of fabrics useful for applique work in interiors
CL04	Evaluate modeling technique for various surfaces in interiors

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
R Barry	Building Construction	East West Press, New Delhi.	1999	8176710059	180
Don A. Watson	Construction Materials and Processes	McGraw Hill Co	1972	9780070684676	418
Hanks, A. David	Decorative Designs of Frank Lloyd Wright	Dover Publications, Inc. New York	1979.	9780525245223	272
K. K. Goswami	Advances in Carpet Manufacture (The Textile Institute Book Series)	Woodhead Publishing	2017	9780081011317	542
Martand Singh, Rta Kapur Chishti and Rahul Jain	Handcrafted Indian Textiles: Tradition and beyond	Lustre Publication	2009	8174360840	149

Annexure ‘CD-01’

MODULAR DESIGN

L/S	T	P	Credits	Hours
2	0	2	3	4

Course Credits: 3

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To introduce the students with Modular designs wherein modules form the basis of design. The course aims in making students acquainted to the simplified customization resulting space-saving design, leverage leading-edge design, structural and product engineering, quality fabrication and role of installation partners to push forward breakthrough ideas that advance the design and construction process

Course Contents/syllabus:

Unit I: INTRODUCTION	Contact Hours
<ul style="list-style-type: none"> Defining and explaining “Modularity” an approach for innovation in designing of furniture Functional allocations of the modular designs 	8 Hours
Unit II: CLASSIFICATIONS AND CHARACTERISTICS	Contact Hours
<ul style="list-style-type: none"> Detailed classification of Modular Furniture based on its design and components- single bodied, multi bodied, universal for completion, on a frame, for hanging Defining characteristics of Modular Furniture on the following parameters with case examples: Reusability-arrangement of the modules and built up of the modules according to various designs or matrices for developing diverse type of furniture Discreteness- autonomous properties of the individual modules and functionality distinction in comparison with other modules in the matrix Adaptability- Breaking down of an existing modular design in to modules and reconstructing it into another modular design serving a different purpose Scalability- Modular design is scalable, i.e., its size, shape and dimensions can be varied by rearranging, increasing or decreasing (as per requirement) the number of modules used in building it Simplicity and Reliability - Modular design is simple with pieces fitting into each other, hence relying on each other for proper fitting, design and practical usage Cost Minimization and Space Utilization – Different combinations and arrangements, reduction of cost of manufacturing as material wastage is minimized 	8 Hours
Unit III: MODULAR DESIGNING OF FIXED AND MOVABLE FURNITURE	Contact Hours
<ul style="list-style-type: none"> Modular Storage in wardrobes and retail display – Understanding the various accessories available in market in order to optimize storage. Designing based on segregation and utilization of complete space 	20 Hours

<ul style="list-style-type: none"> Modular Kitchens – Understanding the concept of modular kitchens and dependency of various factory-made fitouts on precision of drawings 	
Unit IV: MODELLING PROTOTYPE DESIGN	Contact Hours
<ul style="list-style-type: none"> Concept of Design, Preconstruction, fabrication & Installation Understanding of space and detailed measured drawings of the space for creating customized Prototype The prototype can be created for the following project: <ul style="list-style-type: none"> Residential: Seating, Sleeping, Storage, Children’s furniture and kitchens Commercial: Showcases, Counters, Display units, Restaurant furniture, Bar furniture Office: Adjustable desks & storage, Mobile & Resilient chairs, Portable chairs, Movable Tables, Lounge seating. 	16 Hours
Site Visits/ Case Studies: <ul style="list-style-type: none"> The practical part will involve design experimentation and model construction using robotics technologies 	8 Hours

Course Learning Outcomes:

CLO1	Understand the interchangeability of modules
CLO2	Identify and develop understanding of standardization and customization in interior products
CLO3	Analyze the market needs and adaptive changes
CLO4	Evaluate cost-effective manner towards modular design, fabrication and installation.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Ali K. Kamrani, Sa'Ed M. Salhieh, Sa'ed M. Salhieh	Product Design for Modularity	Springer Science & Business Media	2002	9781402070730	223
Mark Lawson, Ray Ogden, Chris Goodie	Design in Modular Construction	CRC Press	2014	978-0415554503	280

ModularDesign+ | Customized Modular Building Solutions (modulardesignplus.com)
 What's Modularity and How Modular Design is Beneficial - UX studio (uxstudioteam.com) Modular Kitchen Designs | Kitchen Interior Ideas - Livspace

Annexure 'CD-01'

STRUCTURE SYSTEMS-I

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: The teaching of this subject shall help the students to understand the Role and Importance of Structures in an interior spatial layout

Course Contents/syllabus:

Unit I: Structural Elements-I	Contact Hours
<ul style="list-style-type: none"> • Spatial Volumes, and types of layouts in context with spanning and functional hierarchy. • Load Bearing and Non-load bearing structural elements. <ul style="list-style-type: none"> ○ Definition of zones, Activities that will take place in those zones, define circulation pattern and move through the space. Basics points to be considered for layout of the room. Different types of layouts, like site plan, floor plan wall plan etc. The function and hierarchy of these plans. Concept of load bearing and non-load bearing elements. The use of load bearing and load bearing elements in structure. 	6 Hours
Unit II: Structural Elements-II	Contact Hours
<ul style="list-style-type: none"> • Structural connotations of beam, slab, columns, walls, floors, pilasters, arches, lintels and their replication in alternate materials for sub-dividing / expanding spaces. <ul style="list-style-type: none"> ○ Concept of structural elements. Role of different structural elements in transferring loads. Different types of walls and their use. The types of floors and the suitability of particular type. Use of arches and lintels for openings and terminology used for arches and lintels. Classification of arches and lintels based on shape and material of construction. 	8 Hours
Unit III: Structure & Services	Contact Hours
<ul style="list-style-type: none"> • Integrating Services with the structural components- jhiri or shafts/ ducts for laying Mechanical, Electrical, Public Health, Fire protection, Fiber cables, gas, CCTV, sensors, satellite TV connections etc. <ul style="list-style-type: none"> ○ Different types of services in case of buildings to be provided. The integration of building services with structural arrangement. The different layouts of services in buildings. Electrical layout, fire protection layout understanding. Identification of points to install service points. 	8 Hours
Unit IV: Sustainable & Green solutions	Contact Hours

<ul style="list-style-type: none"> • Introducing sustainable and green solutions for interior cubicles/ workstations/ open-plan spaces like airports/ mega malls etc. <ul style="list-style-type: none"> ○ Introduction to concept of sustainability and its significance. Various types of green materials for construction. The need for green buildings, the application of passive and active use of renewable energy, materials and waste through the sustainability concepts. 	8 Hours
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Course Learning Outcomes:

CL01	The physical-mechanical essence of the subject matter.
CL02	Orienting Architectural design elements to modulate Form and Space
CL03	Relating structural components and services to the building
CL04	Importance and Role of Sustainable aspects for interiors.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Salvadori, Oakley, and Heller	Structure in Architecture- The building of Buildings	Pearson; 4th edition	2016	978-0132803205	240
Surjeet Kumar	Theory of Structures	Vayu	2014	978-9380097879	234
Angus J. Macdonald	Structure and Architecture	Routledge	2018	978-1138629226	360
Daniel Schodek Martin Bechthold	Structures	Pearson; 7th edition	2013	978-0132559133	576



Annexure ‘CD-01’

FURNITURE DESIGN

L/S	T	P	Credits	Hours
2	0	2	3	4

Course Credits: 3

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: The course aims to provide students with a comprehensive understanding of product design principles, processes, and techniques relevant to interior spaces. Students will explore various aspects of product design, including form, function, materials, and fabrication methods and introduction to kinetic design.

Course Contents/syllabus:

Unit I: Introduction to Product Design	Contact Hours
<ul style="list-style-type: none"> • Overview of product design as a discipline and its role in enhancing user experiences and spatial aesthetics. • Exploration of the relationship between product design and interior design practice. • Introduction to the product design process, including research, ideation, prototyping, and evaluation. • Examination of design thinking methodologies and user-centered design approaches in product development. • Product sketching and rendering techniques for realistic conceptualization of design 	12 Hours
Unit II: Form and Function in Product Design	Contact Hours
<ul style="list-style-type: none"> • Exploration of design principles, such as balance, proportion, scale, and harmony, in product design. • Consideration of functional requirements and user needs in shaping product form and aesthetics. • User-Centered Design: Techniques for conducting user research, personas development, and usability testing to inform product design decisions. • Application of ergonomic principles and anthropometric data in designing products for user comfort and safety. • Introduction to visual design principles, such as colour theory, typography, and branding, in product design. • Use of sketching, rendering, and prototyping techniques to communicate design concepts and enhance visual appeal. 	16 Hours
Unit III: Materials, Fabrication Techniques and Prototyping	Contact Hours
<ul style="list-style-type: none"> • Overview of common materials used in product design, such as wood, metal, plastic, and composites. • Overview of material properties, including strength, durability, flexibility, and sustainability, in product design. • Evaluation of material suitability for specific product applications based on performance requirements and environmental impact. • Exploration of sustainable materials, recycling, upcycling, and waste reduction 	16 Hours

strategies in product design and manufacturing. <ul style="list-style-type: none"> • Introduction to manufacturing processes, including casting, molding, machining, and additive manufacturing • Examination of traditional and advanced fabrication techniques, such as CNC machining, 3D printing, laser cutting, and thermoforming. • Hands-on experience with prototyping tools and equipment for material exploration and product realization 	
Unit IV: Kinetic Product Design	Contact Hours
<ul style="list-style-type: none"> • Introduction to Kinetic Design: Definition and significance of kinetic design in product development and interactive experiences. • Exploration of examples and case studies of kinetic products in various design domains. • Mechanical Systems and Motion Control: Basics of mechanical systems, linkages, actuators, and motion control mechanisms used in kinetic product design. • Principles of kinetic energy, friction, and dynamics influencing the behavior of moving parts in products. • Interactive and Responsive Design: Techniques for incorporating sensors, actuators, and programmable electronics into products for interactive and responsive behaviours. • Design considerations for user engagement, feedback, and emotional connection in kinetic product experiences. 	16 Hours

Course Learning Outcomes:

CL01	Understand the principles of Product Design.
CL02	Apply scale and measurement to design and development of product prototype
CL03	Analyse the fabrication techniques in developing products and Evaluate modules and prototype models for common usage in daily life
CL04	Focusing on the integration of movement, interactivity, and dynamic elements into product concepts

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Don Norman	The Design of Everyday Things	Basic Books	2013	978-0465050659	368
Vijay Kumar	101 Design Methods: A Structured Approach for Driving Innovation in Your Organization	Wiley	2012	978-1118083468	336
William Lidwell, Kritina Holden, Jill Butler	Universal Principles of Design Publisher:	Rockport Publishers	2003	978-1592530076	272
Koos Eissen, Roselien Steur	Sketching: Drawing Techniques for Product Designers	BIS Publishers	2007	978-9063691718	256
Chris Lefteri	Materials for Design	Laurence King Publishing	2014	978-1780673448	224
Bjarki Hallgrímsson	Prototyping and Modelmaking for Product Design	Laurence King Publishing	2012	978-1856698767	240
Charles Linn	Kinetic Architecture: Designs for Active Envelopes	Images Publishing Dist Ac	2018	978-1864706496	256
Dustyn Roberts	Making Things Move: DIY Mechanisms for Inventors, Hobbyists, and Artists	McGraw-Hill Education TAB	2010	978-0071741675	368

FOURTH SEMESTER

S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-IV (Hotel Interiors)	6	0	0	6	6
2	Discipline Specific -Core	Graphics and Computers -II (Auto CAD)	4	0	0	4	4
3	Discipline Specific -Core	Service Design-II (Lighting and Electricity)	2	0	0	2	2
4	Multidisciplinary	Event Design	2	0	0	2	2
5	Multidisciplinary	Specification and Estimation	2	0	0	2	2
6	Skill Enhancement Courses	Photography Skills	0	0	2	1	2
7	Skill Enhancement Courses	Disaster Risk Reduction and Management	2	0	0	2	2
8	Ability Enhancement Courses	Product Design	1	0	2	2	3
9	Specialization / Minor	Interior Accessories Design	2	0	2	3	4
Total			16	0	2	24	27

Annexure 'CD-01'

INTERIOR DESIGN STUDIO- IV (Hotel Interiors)

L/S	T	P	Credits	Hours
6	0	0	6	6

Course Credits: 6

Weekly Contact Hours: 6

Course Level: UG

Course Objectives: To develop creative conceptual visualization, hand skill building, and the process of design. Further emphasis on graphic layout and elevations as a design process

Prerequisites: Basic knowledge of Drawing and sketching.

Course Contents/syllabus:

Unit I: Elements of Hospitality Spaces	Contact Hours
<ul style="list-style-type: none"> Interior designing for multi-functional Restaurants and Banquet halls, multi-level planning, design and detailing of various work spaces, interactions zones. Design elements of hospitality spaces such as theme -based restaurants, corporate banquet venues etc. 	12 Hours
Unit II: Design of Restaurant Interiors	Contact Hours
<ul style="list-style-type: none"> The design exercise may include fine-dining restaurant with partly open-air area with due importance to differently abled user (Universal design), for a realistic site. (Carpet Area not less than 80.00 sq.mts) 	18 Hours
Unit III: Design of Bars and Café Interiors	Contact Hours
<ul style="list-style-type: none"> Theme Café Interior spaces upto 100 sq.m. or bars for 3-star hotel may be introduced as design problem 	24 Hours
Unit IV: Design of Hotel Interiors	Contact Hours
<ul style="list-style-type: none"> Exercises in order to evolve multi-cuisine restaurants with boarding and lodging spaces 	24 Hours

<ul style="list-style-type: none"> Field trips to relevant architectural sites. 	
<p>Site Visits/ Case Studies: 24 sessions</p> <ul style="list-style-type: none"> Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning. Field visits to enrich students' knowledge of context development for well-designed residences and public spaces. 	12 Hours

Course Learning Outcomes:

CLO1	Understand the skills of planning of Hospitality spaces
CLO2	Outline design principles and their application to hotel industry.
CLO3	Apply functionality, space usage and concept/theme, use of contemporary materials, construction techniques and advanced services required for the design project
CLO4	Present individual professional design acumen with enhanced skills of planning interior spaces related to Hospitality spaces

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K. Ching	Architecture Form, Space and Order	John Wiley & Sons,	2014	9781118745083	464
V.S. Parmar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600
Roger, K. L.	Architect? A Candid Guide to the Profession	Cambridge: The MIT Press	1998	0262621215	304
Schiffer Publishing Ltd	Designs for Restaurants and Bars : Inspiration from Hundreds of International Hotels	Schiffer Publishing Ltd	2002	978-0764317521	176

GRAPHICS AND COMPUTERS -II

L/S	T	P	Credits	Hours
4	0	0	4	4

Course Credits: 4

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: Introduction and the use of software available for architectural applications.

Prerequisites: Basic knowledge of drawing and sketching.

Course Contents/syllabus:

Unit I: AutoCAD 2D commands	Contact Hours
<ul style="list-style-type: none"> • Basic Drawing Commands: <ul style="list-style-type: none"> • Line, Circle, Rectangle, Polygon, Arc, Ellipse • Drawing Aids: <ul style="list-style-type: none"> • Grid and Snap, Ortho Mode • Object Snaps (OSNAP): <ul style="list-style-type: none"> • Snapping to exact points on objects (endpoints, midpoints, etc.) • Object properties: Changing colour, line type, line-weight 	16 Hours
Unit II: Modification Commands and Object Management	Contact Hours
<ul style="list-style-type: none"> • Move, Copy, Rotate, Scale, Trim, Extend, Fillet, Chamfer • Object Management: Working with layers, Group and Ungroup, • Working with blocks: concepts of blocks, formation of blocks, inserting blocks, exploding blocks, layers, colours, line types and line-weight of blocks 	16 Hours
Unit: III Advanced 2D Drawing Tools	Contact Hours
<ul style="list-style-type: none"> • Polyline, Spline, Hatch, Text, Leader and Multileader • Object Properties: <ul style="list-style-type: none"> • Properties Palette: Editing object properties (colour, layer, line type, etc.). • Match Properties: Copying properties from one object to another. • Render: create light, sun status, material apply • Object Alignment and Distribution: <ul style="list-style-type: none"> • Align: Aligning objects to specific reference points. • Distribute: Distributing objects evenly along an axis or path. 	16 Hours
Unit IV: Dimensioning, Printing, and Plotting	Contact Hours
<ul style="list-style-type: none"> • Dimensioning Commands: <ul style="list-style-type: none"> Linear Dimensions, Aligned Dimensions, Radius and Diameter Dimensions, Angular Dimensions, Baseline and Continuation Dimensions • Annotative Objects: <ul style="list-style-type: none"> Text Styles, Leaders <p>Plotting drawings in AutoCAD, plotting drawing using the plot dialog box, adding plotter, plotting with PDF/ JPEG, plotting sheets in a sheet set Exercises on Two-point perspective views using Measurement Point method</p>	12 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Course Learning Outcomes:

CLO1	Understand computer modeling techniques using AutoCAD
CLO2	Produce correct and professionally presented drawings, design ideas, proposals and models
CLO3	Demonstrate and apply basic knowledge of commands of AutoCAD
CLO4	Present sketching, model making, technical drawing and AutoCAD, into an acceptable professional standard of communication

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
James A. Leach, Shawna Lockhart	AutoCAD 2022 Instructor	SDC Publications	2021	978-1630574208	1300
Sandeep Dogra	AutoCAD 2022 for Architectural Design: A Power Guide for Beginners and Intermediate Users	CAD Artifex	2021	978-8195345250	482
Dean Muccio	AutoCAD 2020 for the Interior Designer	SDC Publications	2021	978-1630574284	426
Munir Hamad	AutoCAD 2022 3D Modelling	Mercury Learning & Information	2021	978-1683927273	400



SERVICE DESIGN-II (LIGHTING AND ELECTRICITY)

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To Introduce students to designing and application of Lighting.

Course Contents/syllabus:

Unit I: Lights & Luminaires	Contact Hours
<ul style="list-style-type: none"> Types of light sources and their characteristics and its application in lighting system (task lighting, accent lighting, and general lighting). 	6 Hours
Unit II: Lighting Systems	Contact Hours
<ul style="list-style-type: none"> Forms of lighting (Indoor and outdoor). Illumination standards and artificial lighting design and lighting power density. Day light integrated lighting systems, window design and placement, shading devices. Explain the function and implementation of sensors, timers and other lighting controls Impact of light on materials and finishes 	8 Hours
Unit III: Application of Lighting design	Contact Hours
<ul style="list-style-type: none"> Study of lighting fixtures and fittings used in interior spaces, special lighting systems for malls or displays Different areas (house, malls, offices, exhibition, shops, landscaping, etc.); task performance; improve appearance of an area. Psychological effects of lighting design on occupants Lighting for art and displays 	8 Hours
Unit IV: Electrical Layout	Contact Hours
<ul style="list-style-type: none"> Provisions of standards and energy codes related to interior electrical services (include National and local electrical codes, energy efficiency regulations) • Automation in lighting industry and smart lighting Electrical layout for building premises, service zones and fittings. Designing layout for a small residential building 	8 Hours

Course Learning Outcomes:

CL01	Gain knowledge of lighting systems in the interiors.
CL02	Understand principles and installations of general and specialized services in the interiors.
CL03	Analyze the significance of design and functioning of electrical and lighting systems as essential components in Interior Design
CL04	Design the layout, functioning and application of lighting fixtures in the interior spaces.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
V.K. Jain	Handbook of Designing and Installation of Services in Building Complex	Khanna Publisher, New Delhi,	1998	8174092455	932
Mark Karlen (Author), Christina Spangler (Author), James R. Benya (Author)	Lighting Design Basics	Wiley	2017	9781119312277	272
Gary Gordon	Interior Lighting for Designers	John Wiley & Sons	2003	978-0471441182	302
J.B Gupta	Electrical Installation, Estimating	S.K Kataria & Sons, New Delhi	2002	8188458996	200



Annexure ‘CD-01’

EVENT DESIGN

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: It offers a comprehensive exploration of the principles and practices of designing various types of events, including exhibitions, weddings, corporate functions, and cultural gatherings.

Course Contents/syllabus:

Unit I: Introduction to Event Design	Contact Hours
<ul style="list-style-type: none"> • Definition and significance of event design in creating memorable experiences and engaging environments. • Exploration of different types of events and their spatial requirements, including exhibitions, conferences, parties, and pop-up events. • Overview of the event planning process, including concept development, budgeting, scheduling, and logistics. • Introduction to design briefs, client requirements, and stakeholder collaboration in event design projects. • Application of interior design principles, such as spatial planning, lighting design, and decor styling, in event environments. • Consideration of user experience, brand identity, and thematic coherence in designing event spaces. 	6 Hours
Unit II: Exhibition and Trade Show Design	Contact Hours
<ul style="list-style-type: none"> • Exhibition Design Concepts: Introduction to exhibition design principles, including storytelling, audience engagement, and spatial sequencing. • Analysis of exhibition types, such as art exhibitions, product showcases, and cultural displays. • Spatial Planning for Exhibitions: Techniques for space planning, circulation design, and traffic flow management in exhibition layouts. • Consideration of sightlines, focal points, and interactive zones to enhance visitor experience and navigation. • Branding and Visual Identity: Strategies for integrating branding elements, signage, graphics, and multimedia displays to reinforce brand identity and messaging. • Use of color palettes, typography, and imagery to create cohesive and impactful exhibition environments. 	8 Hours
Unit III: Wedding and Special Event Design	Contact Hours
<ul style="list-style-type: none"> • Wedding Design Trends and Traditions: Exploration of wedding design trends, cultural traditions, and client preferences in event planning and styling. • Analysis of wedding themes, color schemes, and decor styles for creating personalized and memorable experiences. 	8 Hours

<ul style="list-style-type: none"> • Venue Transformation and Decor Styling: Techniques for transforming event spaces through lighting design, floral arrangements, table settings, and decor accents. • Collaboration with vendors, florists, and rental companies to source materials, furnishings, and props for event styling. • Guest Experience and Ceremony Design: Consideration of guest comfort, seating arrangements, and flow management in designing wedding ceremonies and receptions. • Incorporation of interactive elements, entertainment, and food presentation to create immersive and enjoyable event experiences. 	
Unit IV: Corporate and Cultural Event Design	Contact Hours
<ul style="list-style-type: none"> • Corporate Event Planning: Overview of corporate event types, including conferences, seminars, product launches, and networking events. • Consideration of corporate branding, messaging, and business objectives in event design and execution. • Cultural Event Design: Exploration of cultural event formats, such as festivals, concerts, art installations, and performances. • Analysis of cultural themes, rituals, and traditions in shaping event experiences and programming. • Technical and Logistical Considerations: Understanding technical requirements, audiovisual setups, stage design, and equipment rentals for corporate and cultural events. • Management of event logistics, timelines, vendor contracts, permits, and regulatory compliance. 	8 Hours

Course Learning Outcomes:

CL01	Understand the use of Exhibitions/Events and their design.
CL02	Gaining experience of materials and structure of events/exhibitions
CL03	Select and apply appropriate materials as per the functions.
CL04	Understanding the Permanent and temporary nature of the structure and related services.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Roel Frissen, Ruud Janssen	Event Design Handbook: Systematically Design Innovative Events	BIS Publishers	2019	978-9090333693	224
Linda Johansen	The Exhibition Designer: Proven Strategies for Successful Trade Shows	Wiley	2020	978-1119615715	256
Kali Ciesemier	Exhibit Design: High Impact Solutions	Fairchild Books	2010	978-1563678849	336
Maggie Daniels, Carrie Loveless	Wedding Planning and Management: Consultancy for Diverse Clients	Routledge	2007	978-0750682343	448
Abby Larson	Style Me Pretty Weddings: Inspiration and Ideas for an Unforgettable Celebration	Clarkson Potter	2012		256
Judy Allen	Corporate Event Planning: Beyond the Basics	Wiley	2003	978-0471728577	368
Graham Berridge	Events Design and Experience	Routledge	2014	978-0415844922	456



SPECIFICATION AND ESTIMATION

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: The course aims to provide students with the knowledge and skills necessary to prepare accurate project specifications and estimates for interior design projects.

Course Contents/syllabus:

Unit I: Introduction to Specifications and Estimation	Contact Hours
<ul style="list-style-type: none">Understanding Project Specifications: Definition and importance of project specifications in interior design projects. Overview of the role of specifications in communicating design intent, material selections, and construction requirements.Fundamentals of Cost Estimation: Introduction to cost estimation techniques, including quantity take-offs, unit pricing, and cost databases.Explanation of the factors influencing project costs, such as materials, labour, overheads, and contingencies.Client Needs Assessment: Techniques for conducting client interviews, needs assessments, and establishing project goals and priorities.Analysis of client budgets, timelines, and quality expectations to inform specifications and cost estimates.	6 Hours
Unit II: Materials and Finishes Selection	Contact Hours
<ul style="list-style-type: none">Types of Materials and Finishes: Overview of commonly used materials and finishes in interior design, including flooring, wall treatments, cabinetry, and furniture.Discussion of material properties, durability, maintenance requirements, and aesthetic considerations.Sourcing and Specification Writing: Techniques for sourcing materials from suppliers, manufacturers, and vendors.Guidelines for writing detailed specifications, including product descriptions, quantities, quality standards, and installation requirements.Cost Analysis and Value Engineering: Strategies for evaluating material costs, comparing alternatives, and achieving value engineering in material selections.Consideration of lifecycle costs, sustainability criteria, and long-term value in material decision-making.	8 Hours
Unit III: Estimating Project Costs	Contact Hours
<ul style="list-style-type: none">Quantity Take-Offs and Measurements: Methods for quantifying materials, labor, and other resources required for interior design projects.Techniques for taking accurate measurements, calculating areas, volumes, and dimensions, and creating material schedules.Cost Estimation Methods: Application of cost estimation methods, including	8 Hours

bottom-up estimating, parametric estimating, and analog estimating. <ul style="list-style-type: none"> • Use of cost estimation software, spreadsheets, and databases to streamline the estimation process and improve accuracy. • Budget Development and Management: Guidelines for developing project budgets based on cost estimates, client requirements, and project constraints. • Strategies for tracking project expenses, managing budget variances, and controlling costs throughout the project lifecycle. 	
Unit IV: Contract Documents and Procurement	Contact Hours
<ul style="list-style-type: none"> • Contractual Agreements: Overview of contract types, terms, and conditions commonly used in interior design projects. • Explanation of contractual responsibilities, liabilities, and dispute resolution mechanisms for project stakeholders. • Bidding and Tendering Processes: Procedures for soliciting bids, issuing requests for proposals (RFPs), and evaluating contractor proposals. • Analysis of bid documents, specifications, and contract documents to ensure clarity and compliance with project requirements. • Procurement and Supplier Management: Strategies for selecting vendors, negotiating contracts, and managing supplier relationships in interior design projects. • Consideration of procurement methods, such as direct purchasing, competitive bidding, and outsourcing, to optimize project outcomes. 	8 Hours

Course Learning Outcomes:

CLO1	Understanding the calculation methods for working out Bill of Quantities.
CLO2	Apply Rates as per prevailing standards to prepare draft estimates
CLO3	Analyse the estimates to cut costs and plan for construction schedules
CLO4	Analyse the appropriateness of materials as per specifications

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
D D Kohli, R C Kohli	A Textbook of Estimating and Costing	S Chand Publishing	2013	978-8121903325	504
BN Dutta	Estimating and Costing in Civil Engineering (Theory and Practice)	CBS Publishers & Distributors Private Limited	2020	978-8174767707	904
Simran Bir Singh, Amit Kumar	Building Estimation Notes: A Complete Practical Handbook for Civil Engineers	Red Bricks Academy of Civil Engineering	2020	-	254
Holm Leonard, E. Schaufelberger John, Griffin Dennis, Cole Thomas	Construction Cost Estimating: Process and Practices	Pearson Education	2017	978-9332552623	388
BIS	National Building Code of India Vol 1-12	Bureau of Indian Standards, New Delhi	2005	81-7061-026-5	--
Reznikoff S C	Specifications for Commercial Interiors	Whitney Library of Design		978-0823048939	-
Frederic Richard Farrow	Specifications for Building Works and How to Write Them: A Manual for Architectural Students	Forgotten Books	2018	978-1334195242	158



PHOTOGRAPHY SKILLS

L/S	T	P	Credits	Hours
0	0	2	1	2

Course Credits: 1

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To familiarize students with different types of materials and manufacturing techniques for creating art forms/ models.

Course Contents/syllabus:

Unit I: Compact & SLR Camera & accessories.	Contact Hours
Components & working of Compact & SLR Camera, Peripheral equipment like cables, lights, flashguns, lenses, filters, tripods etc. Assignments oriented towards using camera, Indoor & outdoor photography	4 Hours
Unit II: Basics of using camera & Techniques.	Contact Hours
Techniques of using camera, basics in optics, light, exposure, focus, depth of field, aperture. Dark room techniques, digital printing. Assignments oriented towards using camera, Indoor & outdoor photography.	4 Hours
Unit III: Reading a photograph, Understanding subject in a for various types of applications.	Contact Hours
Reading a photograph, Understanding subject in a photograph, composition basics, light, exposure to various types of photography like nature, portraits, wildlife, sports, documentation, journalism etc. Assignments oriented towards using photography for presentation	8 Hours
Unit IV: Photographic investigation of a location and situation	Contact Hours
Photographic investigation of a location and situation. Assignments culminating into a small presentation investigating a case. Understanding Architectural Photography.	8 Hours
Site Visits/ Practical Studies:	6 Hours
<ul style="list-style-type: none"> Cameras, accessories, and photography techniques will be introduced on the basis of live case studies and site visits as mandatory component of photography skills to impart experiential learning. Field visits to enrich students' knowledge of context development for techniques, compositions, anthropometrics, scale, and proportions	

Course Learning Outcomes:

CL01	Understanding the use of Photography as a means of communication and Documentation
CL02	Treating camera as a tool to demonstrate concepts and ideas, document situations, & objects in general
CL03	Familiarizing with camera, film, digital technology & techniques and applying aesthetics of photography
CL04	Evaluating the aesthetics of photography, Composition and light



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
John Child	Studio Photography: Essential Skills	Routledge	2008/ Third Edition	9780240520964	720
Mark Galer	Introduction to Photography: A Visual Guide to the Essential Skills of Photography and Lightroom	Routledge	2015	1138854514	174
Mark Galer	Digital Photography: Essential Skills	Focal Press	2008	0240521129	246
David Taylor	The Advanced Photography Guide: The Ultimate Step-by-Step Manual for Getting the Most from Your Digital Camera	DK	2018	978-0241301920	192
George Haines	Learn Photography: An All-Color Guide Packed with Information for the Beginner	Hamlyn young books	1991	978-1850516378	144



Annexure ‘CD-01’

DISASTER RISK REDUCTION AND MANAGEMENT

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To equip interior design students with knowledge and skills to understand, assess, and mitigate disaster risks in built environments. Through theoretical studies, case studies, and practical exercises, students will learn about various types of disasters, their impact on interior spaces, and strategies for incorporating disaster resilience into design practices.

Course Contents/syllabus:

Unit I: Introduction to Disaster Risk Reduction (DRR)	Contact Hours
<ul style="list-style-type: none"> • Understanding Disaster Risk: Definition and classification of disasters, including natural and human-induced hazards. Introduction to disaster risk assessment, vulnerability analysis, and risk management principles. • Overview of global and national frameworks for disaster risk reduction and resilience building • Examination of the Sendai Framework for Disaster Risk Reduction and other relevant policy instruments. • Exploration of the role of interior design in promoting disaster resilience, including building design, space planning, and material selection. 	6 Hours
Unit II: Assessing Disaster Risks in Interior Spaces	Contact Hours
<ul style="list-style-type: none"> • Introduction to methods and tools for assessing disaster risks in interior environments, such as hazard mapping, vulnerability assessments, and scenario planning. Case studies and exercises on analyzing potential risks and vulnerabilities in different types of interior spaces. • Overview of building codes, regulations, and standards related to disaster resilience in interior design. • Examination of best practices for incorporating disaster-resistant design features, such as fire safety measures, structural reinforcements, and evacuation routes. • Environmental Considerations: Consideration of environmental factors, such as climate change, extreme weather events, and urbanization, in assessing disaster risks and designing resilient interiors. 	8 Hours
Unit III: Designing for Disaster Resilience	Contact Hours
<ul style="list-style-type: none"> • Introduction to adaptive design principles and strategies for creating flexible, multifunctional interior spaces that can withstand and adapt to changing disaster conditions. • Case studies and examples of innovative design solutions for disaster-resilient interiors. • Consideration of materials and finishes that are durable, non-toxic, and 	8 Hours

resistant to fire, water, and other hazards. <ul style="list-style-type: none"> Evaluation of sustainable building materials and construction techniques for enhancing disaster resilience. Incorporation of human-centred design principles, such as universal design, accessibility, and inclusivity, in disaster-resilient interior design solutions. Exploration of ergonomic, psychological, and social factors that influence occupant safety and well-being during disasters. 	
Unit IV: Emergency Preparedness and Response	Contact Hours
<ul style="list-style-type: none"> Development of emergency preparedness plans, evacuation procedures, and communication protocols for interior environments. Training and drills to simulate emergency scenarios and test response capabilities. Collaboration with other design professionals, emergency responders, community stakeholders, and government agencies in disaster preparedness and response efforts. Role-playing exercises and group projects to foster teamwork, leadership, and decision-making skills in emergency situations. Consideration of post-disaster recovery and reconstruction strategies for restoring and rebuilding interior spaces affected by disasters. Case studies and lessons learned from past disasters to inform resilient reconstruction practices and policies. 	8 Hours

Course Learning Outcomes:

CL01	Creating Awareness of disasters
CL02	Identifying approaches to manage disasters
CL03	Analyze design principles to resist losses caused by disasters
CL04	Evaluating measures in rehabilitation efforts and reconstruction post-disasters

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Pardeep Sahni, Alka Dhameja, Uma Medury	Disaster Mitigation; Experience and Reflection	PHI Learning Pvt. Ltd	2001	9788120319141	232
Donald Hyndman & david hydman	Natural hazards & disaster	cengage learning	2005		490
Dr. N S.Varandani	Basics of Environmental Studies	Books India Publications	2013	B073TZTJSP	18648 KB file

Annexure 'CD-01'

PRODUCT DESIGN

L/S	T	P	Credits	Hours
1	0	2	2	3

Course Credits: 2

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: The course aims to provide students with a comprehensive understanding of product design principles, processes, and techniques relevant to interior spaces. Students will explore various aspects of product design, including form, function, materials, and fabrication methods and introduction to kinetic design.

Course Contents/syllabus:

Unit I: Introduction to Product Design	Contact Hours
<ul style="list-style-type: none"> Overview of product design as a discipline and its role in enhancing user experiences and spatial aesthetics. Exploration of the relationship between product design and interior design practice. Introduction to the product design process, including research, ideation, prototyping, and evaluation. Examination of design thinking methodologies and user-centered design approaches in product development. Product sketching and rendering techniques for realistic conceptualization of design 	9 Hours
Unit II: Form and Function in Product Design	Contact Hours
<ul style="list-style-type: none"> Exploration of design principles, such as balance, proportion, scale, and harmony, in product design. Consideration of functional requirements and user needs in shaping product form and aesthetics. User-Centered Design: Techniques for conducting user research, personas development, and usability testing to inform product design decisions. Application of ergonomic principles and anthropometric data in designing products for user comfort and safety. Introduction to visual design principles, such as colour theory, typography, and branding, in product design. Use of sketching, rendering, and prototyping techniques to communicate design concepts and enhance visual appeal. 	12 Hours
Unit III: Materials, Fabrication Techniques and Prototyping	Contact Hours
<ul style="list-style-type: none"> Overview of common materials used in product design, such as wood, metal, plastic, and composites. Overview of material properties, including strength, durability, flexibility, and sustainability, in product design. Evaluation of material suitability for specific product applications based on performance requirements and environmental impact. Exploration of sustainable materials, recycling, upcycling, and waste reduction strategies in product design and manufacturing. 	12 Hours

<ul style="list-style-type: none"> Introduction to manufacturing processes, including casting, moulding, machining, and additive manufacturing Examination of traditional and advanced fabrication techniques, such as CNC machining, 3D printing, laser cutting, and thermoforming. Hands-on experience with prototyping tools and equipment for material exploration and product realization 	
Unit IV: Kinetic Product Design	Contact Hours
<ul style="list-style-type: none"> Introduction to Kinetic Design: Definition and significance of kinetic design in product development and interactive experiences. Exploration of examples and case studies of kinetic products in various design domains. Mechanical Systems and Motion Control: Basics of mechanical systems, linkages, actuators, and motion control mechanisms used in kinetic product design. Principles of kinetic energy, friction, and dynamics influencing the behaviour of moving parts in products. Interactive and Responsive Design: Techniques for incorporating sensors, actuators, and programmable electronics into products for interactive and responsive behaviours. Design considerations for user engagement, feedback, and emotional connection in kinetic product experiences. 	12 Hours

Course Learning Outcomes:

CL01	Understand the principles of Product Design.
CL02	Apply scale and measurement to design and development of product prototype
CL03	Analyse the fabrication techniques in developing products and Evaluate modules and prototype models for common usage in daily life
CL04	Focusing on the integration of movement, interactivity, and dynamic elements into product concepts

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Don Norman	The Design of Everyday Things	Basic Books	2013	978-0465050659	368
Vijay Kumar	101 Design Methods: A Structured Approach for Driving Innovation in Your Organization	Wiley	2012	978-1118083468	336
William Lidwell, Kritina Holden, Jill Butler	Universal Principles of Design Publisher:	Rockport Publishers	2003	978-1592530076	272
Koos Eissen, Roselien Steur	Sketching: Drawing Techniques for Product Designers	BIS Publishers	2007	978-9063691718	256
Chris Lefteri	Materials for Design	Laurence King Publishing	2014	978-1780673448	224
Bjarki Hallgrímsson	Prototyping and Modelmaking for Product Design	Laurence King Publishing	2012	978-1856698767	240
Charles Linn	Kinetic Architecture: Designs for Active Envelopes	Images Publishing Dist Ac	2018	978-1864706496	256
Dustyn Roberts	Making Things Move: DIY Mechanisms for Inventors, Hobbyists, and Artists	McGraw-Hill Education TAB	2010	978-0071741675	368



Annexure ‘CD-01’

INTERIOR ACCESSORIES DESIGN

L/S	T	P	Credits	Hours
2	0	2	3	4

Course Credits: 3

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: To enhance the aesthetic perception, materials, design and working parameters in designing products and lifestyle accessories

Prerequisites: Basic knowledge of drawing

Course Contents/syllabus:

Unit I: Accessories in the Interiors.	Contact Hours
<ul style="list-style-type: none"> Insight of various products and lifestyle accessories in the interiors. Role of accessories in interiors. Integration of accessories in interior design. Design approaches in product and lifestyle accessories design with a focus on functionality, ergonomics, aesthetics, multiple usages etc 	12 Hours
Unit II: Materials and Processes	Contact Hours
<ul style="list-style-type: none"> Study of materials and processes adopted in accessories design. Basic understanding of construction principles, anthropometrics, principles of sizes and proportions, modelling, rapid prototyping, colour, texture etc. with broad orientation to socio-cultural and historical context of the sector. Orientation to Indian as well as global context of interiors, trends and market 	16 Hours
Unit III: Design Strategy	Contact Hours
<ul style="list-style-type: none"> Design approach with limited constraints inherent in accessory products. Evolving the strategy of design with integration of technical complexities and lifestyle influences. Development of the design of products and accessories to specific interiors and prevailing trends. Broad based approach towards innovative design and application to multi products and multi materials in manufacturing interior products and lifestyle accessories 	16 Hours
Unit IV: Design Aspects of Lifestyle Accessories	Contact Hours
<ul style="list-style-type: none"> A detailed study involving all the design aspects of any of the following lifestyle accessories: luminaire design, glassware, lighting, textiles, mirrors, clocks, wall coverings etc 	16 Hours

Course Learning Outcomes:

CL01	Understand the socio-cultural aspects that influence the design of accessories and products based on their lifestyle.
CL02	Apply knowledge of various styles, systems and products available in the market to design projects
CL03	Analyze integration of designed accessories with the interior.
CL04	Evaluate the aesthetic perception, materials, design and working parameters in designing products and lifestyle



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Treena Crochet and David Vleck	Designers Guide to Decorative Accessories	Prentice Hall	1st edition, 2008	9780132050418	288
Laura Slack	What is product Design	Roto Vision publishers	2006	9782940361243	256
Karim Rashid	International Design Yearbook, 1995: Furniture, Lighting, Tableware, Textiles and Products	Abbeville Press	2003	9780789207883	224

THIRD YEAR

FIFTH SEMESTER

S.N	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-V (Shops and Malls interiors)	6	0	0	6	6
2	Discipline Specific -Core	Graphics and Computers -III (Photoshop and Sketch-Up)	4	0	0	4	4
3	Discipline Specific -Core	Service Design-III (HVAC)	2	0	0	2	2
4	Discipline Specific -Core	Thermal Comfort and Climatology	2	1	0	3	3
5	Specialization / Minor	Interior Landscape Design	3	0	0	3	3
6	Specialization / Minor	Biophilic Design	3	0	0	3	3
7	Specialization / Minor	Intelligent Building Interiors	3	0	0	3	3
Total			23	0	0	24	24

Annexure 'CD-01'

INTERIOR DESIGN STUDIO- V (Shops and Malls interiors)

L/S	T	P	Credits	Hours
6	0	0	6	6

Course Credits: 6

Weekly Contact Hours: 6

Course Level: UG

Course Objectives: To make the students aware of Visual 3D perception. The students will develop skills to identify and utilize simple geometric shapes for various 2D and 3D compositions

Prerequisites: Basic knowledge of Drawing and sketching.

Course Contents/syllabus:

Unit I: Elements of Commercial space Design	Contact Hours
<ul style="list-style-type: none"> Shops & Showrooms: Product display – windows/internal displays/hierarchy of product display/power of visual communication/graphics Exhibition spaces – display for exhibition Lighting design for commercial spaces – task/display/atmospheric/focal lighting Colouring commercial spaces – coding/decoding/visual communication Design of commercial Environments such as Malls, Shopping Arcades Etc.. 	12 Hours
Unit II: Design of Stores	Contact Hours
<ul style="list-style-type: none"> Planning for retail activity – anthropometrics – types of Shop layouts for individual merchandise like garments/ stationery/book stores/footwear etc. 	18 Hours
Unit III: Departmental shops/Malls	Contact Hours
<ul style="list-style-type: none"> Designing multi-functional commercial spaces under one roof Evolving Modular units as Bay shops and cultural centres 	24 Hours

Unit IV: Thematic Interiors for Commercial spaces	Contact Hours
<ul style="list-style-type: none"> • Identifying Materials to be used in counters, shelves, worktops, for theme based commercial centres • Lighting & colour scheme – arts and craftsmanship. 	24 Hours
Site Visits/ Case Studies:24 sessions <ul style="list-style-type: none"> • Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning. • Field visits to enrich students’ knowledge of context development for well-designed commercial 	12 Hours

Course Learning Outcomes:

CLO1	Acquiring knowledge of commercial activity spaces
CLO2	Outline Design Principles of retail functions and their application in interior design.
CLO3	Iterating multi-dimensional volumes through modeling spaces.
CLO4	Evaluate the solutions under defined set of constraints.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K.Ching	Architecture Form, Space and Order	John Wiley & Sons,	2014	9781118745083	464
V.S.Pramar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600
Roger, K. L.	Architect? A Candid Guide to the Profession	Cambridge: The MIT Press	1998	0262621215	304
Alessandra Wood	Designed to Sell: The Evolution of Modern Merchandising and Display	Routledge; 1st edition	2020	9781138344723	196
Syed Jibran Hashmi, Horst Kreimes, Stellios Plainiotis	Dynamic Energy Simulation Of Shopping Mall: A Detail Analyses of Energy Modelling and Design Comparisons On Shopping Mall	LAP LAMBERT Academic Publishing	2016	978-3330027343	92
David Smiley	Sprawl and Public Spaces: Redressing the Mall: NEA Design Series - (Nea Series on Design)	Princeton Architectural Press; 1st edition	2002	978-1568983769	112
Stephen Anderson, Lynne Mesher	Retail Design: Basics Interior Design	Bloomsbury Visual Arts; 2nd edition	2019	9781474289252	192
Marriott Field	City Architecture Or Designs For Dwelling Houses, Stores, Hotels, Etc.: In Twenty Plates, With Descriptions, And An Essay On The Principles Of Design (1853)	Kessinger Publishing Co	2009	978-1104015909	120



GRAPHICS & COMPUTERS-III (Photoshop and Sketch-Up)

L/S	T	P	Credits	Hours
4	0	0	4	4

Course Credits: 4
Weekly Contact Hours: 4
Course Level: UG

Course Objectives: Introduction and the use of software tools for architectural applications.

Prerequisites: Basic knowledge of drawing and sketching.

Course Contents/syllabus:

Unit I: AutoCAD 3D	ontact Hours
<ul style="list-style-type: none"> • Orientation towards 3D: 2D to 3D conversion, perspective view, walk through the layout. • Extrude, revolve, loft, sweep, mesh creates, • Editing: press-pull, union, subtraction, intersect, fillet, chamfer, slice 	12 Hours
Unit II: 3D Interaction in AutoCAD	ontact Hours
<ul style="list-style-type: none"> • Introduction to 3d commands. To comprehend tools and systems for 3d modelling in CAD • Develops and draws various architectural volumes, forms and surfaces through 2 d Cad • Convert and draw 2 d architectural drawings to 3d form • Simple exercises on 3D commands • Rendering and presentation: Modify: move, offset, copy, trim, extend, array, stretch 	12 Hours
Unit IV: Advanced 3D Tools in AutoCAD	ontact Hours
<ul style="list-style-type: none"> • Shortcut Keys • Adding textures, materials • Manipulation Tools • Enhancing and presenting the file: To apply more complex tools and methods to edit drawings in 3D Cad • Demonstrate presentation drawings, material application and lighting in 3D Cad • Draw and create a complete set of architectural drawings for a dwelling unit in 3 D Cad, 3D Modelling of project 	16 Hours
Unit III: Google Sketch-up	ontact Hours
<ul style="list-style-type: none"> • Introduction to the Google Sketch-up • Preparing drawing in CAD for sketch-up modeling • Exploring the Interface: change template, add large tool bar, select tool, push/ pull tool, pan, orbit, move tool, etc. • Viewing Tools 	20 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Course Learning Outcomes:

CLO1	Understand computer modeling techniques using Google Sketchup
CLO2	Produce correct and professionally presented drawings, design ideas, proposals and models
CLO3	Demonstrate and apply basic knowledge of commands of Adobe Photoshop
CLO4	Present images as per professional standards

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Pratap Mulick	Sketching	Jyotsna Prakashan	2006	9788179251041	
Gill Robert W	Rendering with pen & ink	Thames & Hudson	1984	9780500680261	400
Ching, F. D. K	A Visual Dictionary of Architecture	John Wiley & Sons	2011	978-470648858	336
Morris, I. H.	Geometrical Drawing for Art Students.	Longmans.		978-8125026099	100
Scott Onstott	Enhancing Architectural Drawings and Models with Photoshop	Sybex; Pap/Dvdr edition		978-0470916568	360
Horst Sondermann	Photoshop® in Architectural Graphics	Springer; 2009th edition		978-3211715918	328

SERVICES DESIGN-III (HVAC)

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To Introduce students to designing and application of HVAC systems

Prerequisites: Basic awareness of materials around us

Course Contents/syllabus:

Unit I: Introduction to HVAC	Contact Hours
<ul style="list-style-type: none"> Fundamental principles of Heating Ventilation and Airconditioning, Indoor Air Quality, comfort conditions, 	6 Hours
Unit II: Refrigeration Cycle	Contact Hours
<ul style="list-style-type: none"> A/C equipment Selection and placement of A/C units (window, split, ductless) within interior spaces. Visual and spatial aspects of HVAC. 	8 Hours
Unit III: Types of Air Conditioning Systems	Contact Hours
<ul style="list-style-type: none"> Types of Air-conditioning: single zone, multi zone, window air conditioners, split air conditioners, ductable air conditioners, package system and central air conditioning Selection and implementation of AC systems in different interior spaces. 	8 Hours
Unit IV: HVAC Layout	Contact Hours
<ul style="list-style-type: none"> All air systems and chilled water systems. A/C plant room, AHU's Building ducting, diffusers and grills, FC units Designing layout for a small residential building and commercial building 	8 Hours

Course Learning Outcomes:

CL01	Gain knowledge of HVAC systems in the interiors.
CL02	Understand principles and installations of general and HVAC services in the interiors.
CL03	Analyze the significance of design and functioning of HVAC systems as essential components in Interior Design
CL04	Design the layout, functioning and application of HVAC systems in the interior spaces.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
R.S. Khurmi	Textbook Of Refrigeration and Air-Conditioning	S Chand	2019	978-8121927819	720
W. Larsen Angel	HVAC Design Sourcebook	McGraw-Hill Education	2011	978-0071753036	400
Norbert Lechner	Heating, Cooling, Lighting Sustainable Design Methods for Architects	Wiley	2014	9781118849453, 1118849450	720
Corky Binggeli	Building Systems for Interior Designers	Wiley	2016	978-1118925546	432
Maureen Mitton	Interior Design Visual Presentation: A Guide to Graphics, Models and Presentation Techniques	John Wiley & Sons	2012	978-0470619025	320

THERMAL COMFORT & CLIMATOLOGY

L/S	T	P	Credits	Hours
2	1	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To develop basic understanding of comfort zone and climatology.

- -To impart scientific building design and site planning as related to climate, particularly to tropical climates as found in India by giving importance for human comfort in interior spaces through natural elements
- -To familiarize the students with the data, methods, principles, standards and tools for planning and designing for climatic comfort.

Course Contents/syllabus:

Unit I: Introduction to the Thermal Comfort	Contact Hours
<ul style="list-style-type: none"> • Why do we build buildings. Effects of climate on people • Thermal comfort and heat flow: Thermal comfort factors, physiological aspects. Body heat balance. Building climatological site analysis, application of comfort diagrams 	9 Hours
Unit II: Theory of Heat Flow	Contact Hours
<ul style="list-style-type: none"> • Introduction to basic thermal units, heat transmission, thermal properties of materials, human heat balance. Bodily heat transfer • Shelter and Environment 	12 Hours
Unit III: Physiological Comfort	Contact Hours
<ul style="list-style-type: none"> • Climate regions in India, • Outdoors and indoors, heat flow within buildings, steady state conditions and periodic flow, thermal performance of building elements Comfort zone 	12 Hours
Unit IV: Sun and Design Process	Contact Hours
<ul style="list-style-type: none"> • Solar charts, sun angles and shadow angles, • Orientation for sun, sun control, Design of shading devices, radiation, glare, solar energy and its technical applications. • Climate and material choices, colour and texture choices for interior spaces 	12 Hours

Course Learning Outcomes:

CL01	Understand scientific building design and site planning as related to climate,
CL02	Understand the climatic types in India and the impact on requirements of building design
CL03	Analyze the data, methods, principles, standards and tools for planning and designing for climatic comfort.
CL04	To be able to predict climatic conditions in a given building and redesign for given parameter

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Arvind Krishan; Nick Baker; Simos Yannas & S	Climate responsive architecture: A design handbook for energy efficient buildings	Tata McGraw-Hill Pub. Co	First, 2017	978-0074632185	409



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

V Szokolay					
Otto H. Koenigsberg	Manual of tropical housing and building	Longman	First, 1975	978-0582445451	320
Richard Hyde	Climate Responsive Design: A Study of Buildings in Moderate and Hot Humid Climates	Taylor & Francis	First, 2000	978-0419209706	256
The Energy and Resources Institute (TERI)	Griha Introduction to National Rating system	India: TERI Press	2013	-	-
Rohinton Emmanuel	Urban Climate Challenges In The Tropics: Rethinking Planning And Design Opportunities	Imperial College Press	2016	978-1783268405	384



INTERIOR LANDSCAPE DESIGN

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3
Weekly Contact Hours: 3
Course Level: UG

Course Objectives: To familiarize students with the various elements of landscape and the principle of landscape design and conservation.

To develop and strengthen the competence in dealing with the analytic, artistic and technical aspects of designing open spaces at different scales

Course Contents/syllabus:

Unit I: Introduction to Interior Landscaping	Contact Hours
<ul style="list-style-type: none"> Definition of Landscape – meaning and importance, types of gardens, garden components, garden design – formal and informal, principles of landscape gardening. Types of natural elements – stones, rocks, pebbles, plants and vegetation. Elements of interior landscape. 	9 Hours
Unit II: Physical requirements of plants	Contact Hours
<ul style="list-style-type: none"> Classification of plants, indoor plants and their functions, layout & components, Floriculture – commercial, ornamental, Selection of plants & pest control Physical requirements of plants – light, temperature, water, planting medium, soil separator, weight of plants, acclimatization & maintenance Techniques to meet physical requirements of plants 	12 Hours
Unit III: Interior Landscaping Elements & Principles	Contact Hours
<ul style="list-style-type: none"> Various interior landscaping elements – water bodies - pools, fountains, artifacts, paving & lighting Roof and deck landscape, 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 Bonsai – meaning, plants suitable for bonsai culture, techniques and styles. Artificial indoor plants and their caring techniques 	12 Hours
Unit IV: Exercise on Interior Landscape	Contact Hours
<ul style="list-style-type: none"> Landscape design parameters for various types of built forms – indoor and outdoor linkage to spaces. Landscaping of courtyards- residential and commercial forms Courtyard design, room design with indoor landscape elements, terrace garden 	12 Hours

Course Learning Outcomes:

CL01	Understand the principles of Landscaping Interior Spaces
CL02	Apply methods to acclimatize plants in indoor spaces Theories and Practices in Interior Design



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

CL03	Analyse features of fountains, rockery, and terrace gardening elements appropriate for indoor spaces
CL04	Evaluate design Development with landscape elements in interior spaces

Text / Reference Books:

Author	Title	Publisher	d/year	ISBN No	Pages
Grant W. Reid	From Concept to Form in Landscape Design	Wiley	2007	978-0470112311	256
Charles Harris, Nicholas Dines	Time-saver Standards for Landscape Architecture	McGraw-Hill Education	2017	978-1259004100	1200
William R. Nelson	Planting Design: A Manual of Theory And Practice	Stipes Pub Llc	2004	978-1588743589	315
C. Tandy	Handbook of Urban Landscape	Architectural Press	2002	978-0851396903	275
Bimal Das Chowdhury, T.K Bose, S.P Sharma	Tropical Garden Plants in Colour	Horticultural & Allied Publishers	1991	978-8190017114	779



BIOPHILIC DESIGN

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3
Weekly Contact Hours: 3
Course Level: UG

Course Objectives: To build connection with lifelike processes, nature and ecosystems in interior environments.

Prerequisites: Basic Knowledge of environmental science

Course Contents/syllabus:

Unit I: Biophilia, biomimicry and bio-urbanism.	Contact Hours
<ul style="list-style-type: none"> • An introduction to Biophilic Design and Biophilia, underpinned by research studies and insights into the causes of health and wellbeing issues in our urban environments. • Design methods that draw inspiration from nature, such as biophilia, biomimicry and bio-urbanism. • Nature oriented interior design • Relevance of Biophilic design today • Benefits of biophilic design, Categories of Biophilic Design • Usage of biophilic elements 	9 Hours
Unit II: Human-Nature Connection	Contact Hours
<ul style="list-style-type: none"> • Environment and Evolution • Environmental Psychology • The Circadian Rhythm • The Biophilic Values 	9 Hours
Unit III: Implementing Biophilic Design	Contact Hours
<ul style="list-style-type: none"> • Elements & Attributes: Environmental Features • The Biophilic Design Principles: Natural Shapes & Forms; Natural Patterns & Processes; Light & Space; Place-based Relationships; Evolved Human-Nature Relationships 	9 Hours
Unit IV: Case studies	Contact Hours
<ul style="list-style-type: none"> • Biophilic design in Schools • Biophilic design in Hospitals • Biophilic design in the Workplace • Biophilic design at Home • Some case examples of 'back-to-nature' architectural designs from different corners of the world, challenging old-fashioned buildings for a greener and more nature-oriented future: • Barbican Centre – London, UK; • One Central Park – Sydney, Australia; 	9 Hours

<ul style="list-style-type: none"> • Second Home – Lisbon, • Portugal; Bosco Verticale – Milan, Italy 	
Site Visits/ Case Studies: Students will observe measure, sketch, and annotate what they see at site and submit a presentation portfolio to the teachers concerned for evaluation. This award shall form part and parcel of the sessional work for internal assessment.	9 Hours

Course Learning Outcomes:

CLO1	Understanding the human tendency to connect with nature in interior spaces
CLO2	Identify processes and methods to affiliate with nature
CLO3	Analyze evolutionary adaptation as response to specific conditions
CLO4	Evaluate design solutions for physical, psychological and cognitive function benefits.

Text / Reference Books: <https://www.terrabinbrightgreen.com/wp-content/uploads/2014/09/14-Patterns-of-Biophilic-Design-Terrapin-2014p.pdf>

Author	Title	Publisher	Ed/year	ISBN No	Pages
Julie Illana Gordonson	Biophilic Design: More Than Just Plants Examining The Status Quo And Identifying Barriers To A Diverse Practice	https://ecommons.cornell.edu/bitstream/handle/1813/64866/Gordonson_cornell_0058O_10410.pdf?sequence=1&isAllowed=y	2018	-	138
Stephen R. Kellert, Judith Heerwagen, Martin Mador	Biophilic Design: The Theory, Science and Practice of Bringing Buildings to Life	Wiley	1st edition (April 23, 2013)	978-0470163344	400
Oliver Heath	Design a Healthy Home: 100 ways to transform your space for physical and mental wellbeing	DK	(August 31, 2021)	978-0744038033	192
William D. Browning, Catherine O. Ryan	Nature Inside: A biophilic design guide	RIBA Publishing	September 1, 2020	978-1859469033	192

INTELLIGENT BUILDING INTERIORS

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To promote understanding of advance building systems, advance building materials, building technologies.

To enable the students to demonstrate design ideologies in the field of interior design

Prerequisites: Basic knowledge of interior spaces

Course Contents/syllabus:

Unit I: Introduction to Intelligent Building systems	Contact Hours
<ul style="list-style-type: none"> Introduction to Intelligent Building. systems, History and emergence i.e. need and necessity. Concept of colour, significance of colour in the interiors and exteriors & Psychological aspects of Colours 	9 Hours
Unit II: Building management system (BMS);	Contact Hours
<ul style="list-style-type: none"> Types of Building Control Systems for various building Services Safety-entry control; CCTV; Fire and smoke detection, alarm; Thermal and working environment - temperature, humidity, air movement, light level; Occupancy sensors; Simulation techniques. 	12 Hours
Unit III: Home Automation	Contact Hours
<ul style="list-style-type: none"> Working principles of building automation systems, office automation systems, and communication systems 	12 Hours
Unit IV: Preparing Repair Proposal	Contact Hours
<ul style="list-style-type: none"> Basic knowledge of the construction and installation of the structured cabling system enabling integrated system connections 	12 Hours

Course Learning Outcomes:

CL01	Understand the concept of Intelligent Buildings
CL02	Apply the skills of Building Management Systems to Interiors
CL03	Analyze Smart tools and automation methods for designed spaces
CL04	Evaluate Cabling systems for in-situ projects.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Derek Clements-Croome	Intelligent Buildings: An Introduction	Routledge	2020	9781135008369	232
Derek Clements-Croome	Intelligent Buildings: Design, Management and Operation	ICE Publishing	2013	9780727757340	
Abraham Warszawski	Industrialized and Automated Building Systems : A Managerial Approach	Routledge		9781135818883	484

SIXTH SEMESTER

S.N	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Discipline Specific -Core	Interior Design Studio-VI (Bank and Institutions)	6	0	0	6	6
2	Discipline Specific -Core	Working Drawing	4	0	0	4	4
3	Discipline Specific -Core	Service Design-IV (Fire Safety and Communication System)	2	0	0	2	2
4	Specialization / Minor	Sustainable Interior Design	3	0	0	3	3
5	Specialization / Minor	Visual Communications	3	0	0	3	3
6	Specialization / Minor	Heritage Interiors	3	0	0	3	3
7	Specialization / Minor	Elective I (Open): Vastu Shastra	3	0	0	3	3
		Total	24	0	0	24	24

Annexure 'CD-01'

INTERIOR DESIGN STUDIO-VI (Banks & Institutions)

L/S	T	P	Credits	Hours
6	0	0	6	6

Course Credits: 6

Weekly Contact Hours: 6

Course Level: UG

Course Objectives: To develop the design of small buildings with respect to site, landscape, climate and Socio-economic conditions in urban context. & the application of anthropometrics

Prerequisites: Basic knowledge of Drawing and sketching.

Course Contents/syllabus:

Unit I: Design of Banking Spaces	Contact Hours
<ul style="list-style-type: none"> Understanding the hierarchy in financial Institutions and developing customer interaction zones like banks, finance corporations, post offices etc. 	6 Hours
Unit II: Contextual Design	Contact Hours
<ul style="list-style-type: none"> Developing design solutions in regional settings w.r.t, geographical parameters. Climate, economic and cultural background for a finance institution with banking extension counter and ATM facility. Preliminary design and volumetric study. Final design with detailed volumetric study and 3D Visualizations 	24 Hours
Unit III: Design of institutional Areas	Contact Hours
<ul style="list-style-type: none"> Developing ambient learning spaces, cultural academies, Coaching Centres etc. in urban regions. Minimum area of design problem has to be 2000 sq.m. Library and Proto type Studies Site analysis and site planning 	24 Hours

Unit IV: Barrier-free Design	Contact Hours
<ul style="list-style-type: none"> Collecting anthropometric data for disabled friendly users and making provisions for them in design solutions. 	24 Hours
Site Visits/ Case Studies:24 sessions <ul style="list-style-type: none"> Design problems will be introduced on the basis of live case studies and site visits as mandatory component of design studio to impart experiential learning. Field visits to enrich students' knowledge of context development for well-designed banking spaces and institutional areas 	12 Hours

Course Learning Outcomes:

CLO1	Familiarize with hierarchy of working spaces in financial and institutional sector
CLO2	Develop design in context with regional settings
CLO3	Analyze spaces for barrier-free solutions accessible to all the users
CLO4	Evaluate the iterations with respect to site scale and location.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K.Ching	Architecture Form, Space and Order	John Wiley & Sons,	2014	9781118745083	464
V.S.Pramar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600
Roger, K. L.	Architect? A Candid Guide to the Profession	Cambridge: The MIT Press	1998	0262621215	304
NA	Bank Interior	HI-DESIGN PUBLISHING	2012	978-9881970763	
Ben She	Bank Interior Design	Dalian University of Technology Press Co.,Ltd	2012	978-7561167403	199
Hanlin Liu	Modern Bank Designs	Design Media Publishing (UK) Limited; Sew edition	2014	978-9881545084	272
Grove Jenny	Interior Design: A Professional Guide	RIBA Publishing		9781859465851	176
Linda L. Nussbaumer	Inclusive Design: A Universal Need	Fairchild Books	2011	978-1563679216	352



WORKING DRAWING

L/S	T	P	Credits	Hours
4	0	0	4	4

Course Credits: 4

Weekly Contact Hours: 4

Course Level: UG

Course Objectives: to equip students with the knowledge and skills necessary to produce accurate and detailed working drawings for interior design projects. students will learn about the principles of drafting, technical drawing conventions, and industry-standard practices for communicating design intent and specifications through drawings.

Course Contents/syllabus:

Unit I: Developing Working Drawings of a Residence	Contact Hours
<ul style="list-style-type: none"> Understand the purpose and importance of working drawings in interior design. Learn the standard conventions, symbols, line types, and scales used in technical drawings. Familiarize with relevant building codes, bye-laws, and industry standards Develop detailed floor plans with dimensions, furniture layouts, and service provisions. Learn to draft elevations showcasing material finishes, wall treatments, and fixture placements. Create sections to illustrate vertical relationships, ceiling details, and structural components 	12 Hours
Unit II: Design Details of a residence	Contact Hours
<ul style="list-style-type: none"> Wardrobe Design Details - Drafting elevations and sections for modular and custom wardrobes, including shelving, drawers, and hardware specifications Kitchen Details - Layout planning, modular kitchen components, counter heights, material specifications, and built-in appliance integration. Toilet Details - Floor plans, plumbing layouts, tile patterns, sanitary fixture placements, and waterproofing details 	16 Hours
Unit III: Construction Details and Joinery	Contact Hours
<ul style="list-style-type: none"> Detailed drawings for doors, windows, partitions, and cabinetry. Explore joinery techniques and material specifications for woodwork, metal, and modular elements. Learn to draft exploded views and sectional details for custom-designed interior elements 	16 Hours
Unit IV: Services and Coordination Drawings	Contact Hours
<ul style="list-style-type: none"> Integrate electrical, plumbing, HVAC, and lighting layouts into working drawings. Develop reflected ceiling plans (RCP) with lighting and fixture details. 	16 Hours

- | | |
|---|--|
| <ul style="list-style-type: none"> Learn coordination techniques with structural, mechanical, and architectural teams for execution clarity. Prepare detailed service drawings for kitchen and toilet areas, including electrical points, plumbing connections, and ventilation systems | |
|---|--|

Course Learning Outcomes:

CLO1	Develop a basic understanding through market research and current trends
CLO2	Identify and develop understanding of interrelationship materials and aesthetics
CLO3	Illustrate Construction details with annotation
CLO4	Evaluate drawings for supervising the erection at site

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Brand: Taylor & Francis Ltd	Working Drawings Handbook	Routledge	2012	0750663723	300
Bhatt, N. D.	Engineering Drawing; Plane and Solid Geometry.	Charotar Publishing House Pvt. Limited.	2010	978-9380358178	720
Dhawan R K	Fundamentals of Engineering Drawing	S Chand	2014	978-121939263	456
Thomas, Marvin	Architectural Working Drawings: A Professional Technique	McGraw-Hill Inc.,US	1978	978-0070642409	192
Osamu (Art) A Wakita, Nagy R. Bakhoum, Richard M. Linde	The Professional Practice of Architectural Working Drawings, 5th Edition	Wiley	2017	978-1-118-88052-4	688

Annexure 'CD-01'

SERVICES DESIGN-IV (Fire Safety & Communication Systems)

L/S	T	P	Credits	Hours
2	0	0	2	2

Course Credits: 2

Weekly Contact Hours: 2

Course Level: UG

Course Objectives: To provide the knowledge of the basic services on fire safety and its applications in the field of building construction

Prerequisites: Basic awareness of materials around us

Course Contents/syllabus:

Unit I: Fire Safety Systems	Contact Hours
<ul style="list-style-type: none"> • Fire – causes and spread of fire, Mechanism of fire spread in building and prevention Fire safety standards • Fire safety systems – firefighting provisions, types and applications. 	6 Hours
Unit II: Concepts in Fire Protection	Contact Hours
<ul style="list-style-type: none"> • -Design consideration for fire safety • Fire retarding materials, fire rated doors etc. Devices for fire detection and fighting • Fire-fighting installation and requirements - Heat sensitive detectors – Smoke detectors Automatic water sprinkler system- Foam systems 	8 Hours
Unit III: Types of Communication	Contact Hours
<ul style="list-style-type: none"> • Types of communication- data, telephone systems and their usage and application, server rooms. 	8 Hours
Unit IV: Vertical Circulation	Contact Hours
<ul style="list-style-type: none"> • Interior small Lifts ☑ Conveyer Belts ☑ Escalators 	8 Hours

Course Learning Outcomes:

CL01	Gain knowledge of fire protection & Communication systems in the interiors.
CL02	Understand principles and installations of fire protection & Communication services in the interiors.
CL03	Analyse the significance of design and functioning of fire protection & Communication systems as essential components in Interior Design
CL04	Design the layout, functioning and application of fire protection & Communication fixtures in the interior spaces.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
B.M.Sen	Fire Fighting Vol-1	Techno World	2021	B08N12HN32	175
IPS N. C. Asthana	Fire Fighting	Aavishkar Publishers, Distributors	2015	9788179104910	216



Annexure 'CD-01'

SUSTAINABLE INTERIOR DESIGN

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To create awareness of sustainable materials and technologies – traditional & new innovations for the construction of furniture, furnishings and products.

Prerequisites: Basic knowledge of interior components.

Course Contents/syllabus:

Unit I: Traditional Sustainable materials & technologies in the construction and interior space design industries	Contact Hours
• Adobe • Bamboo • Managed Forests • Recycled/Up-cycled material	9 Hours
Unit II: Innovations in sustainable materials and technologies associated to the construction & Interior space design industries	Contact Hours
• Bamboo construction materials • Prefabricated construction • Recycled and up-cycled materials • Renovation and restoration	12 Hours
Unit III: Innovations in sustainable thinking for the future	Contact Hours
• UN Sustainable Development Goals • The Paris Climate Agreement	12 Hours
Unit IV: Renewable Energy Vs. Non-Renewable Energy	Contact Hours
• Impact of non-renewable i.e. traditional fossil fuel-based energies. • Renewable energy systems and technology innovations • Sustainable energy schemes and initiatives in India	12 Hours

Course Learning Outcomes:

CL01	Understand the benefits of using sustainable materials on adhering to Green Building legislation
CL02	Understand the benefits of using sustainable materials on adhering to Green Building legislation
CL03	Investigate and explore methods to integrate sustainable design and systems into their design work and create spaces that have limited impact on the environment
CL04	Develop research and analytical skills with reference to sustainable designers and their work.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Linda Reeder	Guide to Green Building Rating Systems: Understanding LEED	Green Globes	2010	9780470401941	222
Jerry Yudelson,	The Green Building Revolution	Island Press	2007	9781597261784	272
Krishan A.	Climate Responsive Architecture	McGraw Hill Education	2017	978-0074632185	4089
.K. Nayak & J.A. Prajapati	Handbook of Energy Conscious Buildings	Indian Institute of Technology, Bombay and Solar Energy Centre, Ministry of Non-conventional Energy Sources, Government of India.	2016	-	80
Mili Majumdar	Energy Efficient Buildings in India	TERI-The Energy and Resources Institute,	2009	978-8185419824	250
Louise Jones	Environmentally Responsible Design: Green and Sustainable Design for Interior Designers	Wiley	2008	978-0471761310	432



Annexure ‘CD-01’

VISUAL COMMUNICATIONS

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To introduce the students to visual means of communication and the technicalities of the communication studies.

Prerequisites: Basic knowledge of Principles, Elements and Values of Design and Computer Operations

Course Contents/syllabus:

Unit I: Basics of Visual Communications	Contact Hours
<ul style="list-style-type: none"> • Visual Understanding – the physiology and psychology of vision • Graphic Design -using design elements and principles to create meaning • Analogy-Metaphor-Symbolism-Iconography – tapping into prior knowledge • Semiotics – the cultural creation of meaning 	9 Hours
Unit II: Brand Identity	Contact Hours
<ul style="list-style-type: none"> • The Photographic Truth – a close look at mediated reality • Creating a brand identity through business cards, packaging, and advertising • Design of digital logos • Visual UX, UI 	9 Hours
Unit III: Digital Media Presence	Contact Hours
<ul style="list-style-type: none"> • Rip, Mix, Burn – remix culture, appropriation and intellectual property • Typography and Typesetting (New media, Posters, Signages, Books, Mailers, Motion graphics etc. Study of grids and layouts) • Going Viral– visual communication in the age of social media, crowdsourcing & citizen journalism • Digital Blogging • Commercial Broadcasting (Exploring various digital platforms like Instagram, Facebook, LinkedIn etc.) • Critiques: constructive criticism, when evaluating the design work of peers • Introduction to Coral DRAW software 	9 Hours
Unit IV: Portfolio Development	Contact Hours
<ul style="list-style-type: none"> • Project: Development of the student’s Digital Portfolio through application of acquired knowledge using Adobe Photoshop, Coral Draw and Microsoft Word. 	9 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Site Visits/ Case Studies:9 sessions <ul style="list-style-type: none">Students will observe measure, sketch, and annotate what they see at site and submit a presentation portfolio to the teachers concerned for evaluation. This award shall form part and parcel of the sessional work for internal assessment.	9 Hours
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Course Learning Outcomes:

CLO1	Develop a basic understanding of visual vocabulary and graphic design
CLO2	Develop a toolbox of skills and techniques for communicating visually.
CLO3	Ideate experiences and memories with visual aids
CLO4	Evaluate media presence with marketing strategies

Text / Reference Books:

<https://publish.illinois.edu/teaching-and-learning/course-syllabus/>

Author	Title	Publisher	Ed/year	ISBN No	Pages
Jonathan Baldwin, Lucienne Roberts	Visual Communication: From Theory to Practice	AVA Publishing	2006	978-2940373093	175
Stephen Coles	The Anatomy of Type: A Graphic Guide to 100 Typefaces	Harper Design	2012	978-0062203120	256



Annexure ‘CD-01’

HERITAGE INTERIORS

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3
Weekly Contact Hours: 3
Course Level: UG

Course Objectives: The teaching of this subject shall help the students to understand the Role and Importance of Structures in a interior spatial layouts

Prerequisites: Basic knowledge of solids and volumes

Course Contents/syllabus:

Unit I: Definitions of conservation	Contact Hours
<ul style="list-style-type: none"> • Definitions of conservation, preservation, restoration, reconstruction and adaptation. • Objectives. Principles and concepts of conservation and its application • Role of architect in conservation program. • Identification and study of problems, issues involved and solutions available in promoting conservation, preservation and management of heritage/architecture conservation. 	9 Hours
Unit II: Policies, legislations and agencies of conservation	Contact Hours
<ul style="list-style-type: none"> • Planning and management aspects in conservation re-use and redevelopment of historic buildings and areas 	12 Hours
Unit III: conservation in the Indian context.	Contact Hours
<ul style="list-style-type: none"> • Study and critical analysis of existing Institutional framework at local, state, national level for heritage/architecture conservation in the Indian context. • Study and analysis of available legal framework at local, state, national level for heritage/architecture conservation in the Indian context. 	12 Hours
Unit IV: Case studies of heritage	Contact Hours
<ul style="list-style-type: none"> • Study of existing policy framework available at national/state level for heritage/architecture conservation. • Case studies of heritage/architecture conservation with specific reference to the state of Punjab 	12 Hours

Course Learning Outcomes:

CL01	Understand the role of conservation of historical and locally nationally important buildings
CL02	Develop critical thinking skills in relation to the repair and renovation of buildings and interior spaces.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

CL03	Analyze issues and topics associated with conservation, restoration and renovation of buildings and interior spaces
CL04	Develop research and written skills in recording restoration problems and propose solutions

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
D. Dayalan	Conservation and Management of Cultural Heritage	Aryan Books International	2019	978-8173056369	230
Aylin Orbasli	Architectural Conservation: Principles and Practice	Wiley-Blackwell	2007	978-0632040254	240
Jukka Jokilehto	A History of Architectural Conservation	Routledge	2017	978-1138639997	494
Peter Bille Larsen, William Logan	World Heritage and Sustainable Development: New Directions in World Heritage Management	Routledge	2018	978-1138091405	310
Patrick Ngulube	Handbook of Research on Heritage Management and Preservation	IGI Global	2018	978-1522531371	400
Jigna Desai	Equity in Heritage Conservation: The Case of Ahmedabad, India	Routledge	2020	978-0367663018	212
Norman Weiss, Kyle Normandin, Deborah Slaton	Cleaning Techniques in Conservation Practice: A Special Issue of the Journal of Architectural Conservation	Routledge	2005	978-1873394748	154

Elective I (VAASTU SHASTRA)

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG/ PG

Course Objectives: To Introduce students to Vaastu Shastra

Prerequisites: Basic knowledge of Design

Course Contents/syllabus:

Unit I: Introduction to Vaastu Shastra	Contact Hours
<ul style="list-style-type: none"> ○ Introduction to Vaastu Purusha Mandala, Origin of Vaastu Shastra, Purpose of Vastu System, Philosophy of Vaastu Shastra, Scope of Vaastu Shastra 	9 Hours
Unit II: Site selection, shape of plots, orientation aspects	Contact Hours
<ul style="list-style-type: none"> ○ Recommendation on sites, plots, location layouts, configuration of various areas, inner and outer spaces within and outside the building etc. 	12 Hours
Unit III: Vastu Principles and Modern Architecture	Contact Hours
<ul style="list-style-type: none"> ○ Vaastu principles and its effect, art of building as per Vastu ○ Application of Vaastu, role of various mandalas and vastu-purushmandla.in design of Bed Room, Drawing Room, Pooja room, Kitchen and cooking spaces 	12 Hours
Unit IV: Case studies and practical remedies for houses and commercial building as per Vaastu etc.	Contact Hours
<ul style="list-style-type: none"> ○ Technical Aspects -Use of Compass Identifying Vaastu Doshas and Remedies, Points to be checked for the identification of Vaastu dosha. Vaastu Dosh And Remedy Related to Extensions and curtailments, Door Planning, Water reservoirs. Distribution of rooms and sitting-sleeping postures 	12 Hours

Course Learning Outcomes:

CL01	Acquainting with the essence of the Vaastu Purusha.
CL02	Identifying design elements with Vaastu rules
CL03	Relating structural components and services to the Vaastu Shastra
CL04	Evolving Design solutions in compliance with the principles of Vaastu and rectifying Dosha if any

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Bhojraj Dwivedi	Sampuran Vaastu Shastra	Diamond Books	1998	978-8171821952	224
Pandit Y.N Maggirwar	Vaastu Simplified	Sri Sri Publications Trust	2014	978-9382146759	52

FOURTH YEAR

SEVENTH SEMESTER

S.N.	Broad Category of Course	Course Title	Credit Structure				Hours
			L/S	T	P	Credits	
1	Skill Enhancement Courses	Building Interiors Study Report (NTCC)	0	0	0	4	
2	Skill Enhancement Courses	Seminar (NTCC)	0	0	0	4	
3	Skill Enhancement Courses/ Internship	Internship (NTCC)	0	0	0	16	
Total			0	0	0	24	0

Annexure 'CD-01'

BUILDING INTERIORS STUDY REPORT

L/S	T	P	Credits	Hours
0	0	0	4	0

Course Credits: 4

Weekly Contact Hours: --

Course Level: UG

Course Objectives: The purpose of this study is to expose the students to document the already built project and to learn the Design, Services, Structure and construction methods/techniques present on the site.

Course Contents/syllabus:

Unit/Stage- I: Guidelines of Building Study Project Report

- Introduction to General Guidelines, Norm for case study of interiors of project selection
- Student shall learn the building interiors Study Report preferably built & designed in the Internship Office.

Unit/Stage- II: Schedule for Sending Building Study Report

- Schedule for Sending Building Interiors Study Report in 2-3 stages
- Criteria of Evaluation of Building study Reports, Schedule of Marks

Unit/Stage- III: Guidelines for Viva-Voce of Building Study Report

- Guidelines of Work to Be Presented for The Viva Voce

Unit/Stage- IV: Student Presentation Work

- Student Building Interior Study Report Seminar Presentation,
- Requirement of The Final report printing in a stamped format.

Course Learning Outcomes:

CLO1	To document the Interiors of the selected Building and study the relevant interior design elements inclusive of Services, Structure, Spaces, Aesthetics
CLO2	To study the Presentation & formatting of reports for having pictures, Working Drawings, and detailed drawings.
CLO3	To analyze the construction side facets of design at site.
CLO4	To review the construction techniques.

Text / Reference Books: Training manual

SEMINAR (NTCC)

L/S	T	P	Credits	Hours
0	0	0	4	0

Course Credits: 4

Weekly Contact Hours: --

Course Level: UG

Course Objectives: The purpose of this study is to expose the students to document & present the already built project and the work done in the office.

Prerequisites: Basic knowledge of Communication skills, Professional Skills & Software for presentation making.

Course Contents/syllabus:

Guidelines of Presentation

- Introduction to General Guidelines for Work done in office & case study project selected.
- Format for Selection of Building Study Report, preferably built & Designed in the Internship Office.

Format of presentation

- Contents/Format of presentation for Work done in office & Building Study Project Report

Evaluation for Viva-Voce of Building Study Report

- Evaluation Criteria for the mentioned presentation/ viva-voce.

Student Presentation Submission

- Student Building Study Report Seminar Presentation will be submitted as per the dept criteria.
- The presentation to be made under following heads:
 - Selection of Topic
 - Collection of Review
 - Assimilation of Literature
 - References Used
 - Presentation Ability
 - Preparation of Visual Aids
 - Self-Understanding & Level of Confidence
 - Response / Queries of Examiners / Faculty / Audience
 - Physical Appearance / Presence
 - Technical Writing/Report Prepared on the Selected Topic.

Course Learning Outcomes:

CLO1	To present and document the building project and study the services, Structure and Arch spaces.
CLO2	To learn and check the level of knowledge gained during internship.
CLO3	To document and learn the aspects while being in the office.
CLO4	To learn the communication skills for the profession.



INTERNSHIP (NTCC)

L/S	T	P	Credits	Hours
0	0	0	16	0

Course Credits: 16

Weekly Contact Hours: --

Course Level: UG

Course Objectives: The purpose of this study is to expose the students to practical field of design and construction to understand the application of academic knowledge acquired in the college.

Prerequisites: Basic knowledge of Professional Skills & Software.

Course Contents

Introduction to the professional Training & Guidelines
<ul style="list-style-type: none">○ Introduction to General Guidelines, Norm for office selection, Approval of the Offices○ Rules and Regulations of Internship, Intern Assessment by The Office
Schedule for Sending Monthly Progress Report
<ul style="list-style-type: none">○ Schedule for Sending Monthly Progress Report○ Criteria of Evaluation of Reports, Schedule of Marks
Guidelines for Viva-Voce
<ul style="list-style-type: none">○ Guidelines of Work to Be Presented for The Viva Voce
Student Presentation Work
<ul style="list-style-type: none">○ Student Internship Office-Work Seminar Presentation,○ Requirement of The Final drawing in a stamped format.

Course Learning Outcomes:

CLO1	To experience the Day-to-day working of an Architect's Office and Correspondence.
CLO2	To study the Presentation techniques, Working Drawings, and detailed drawings.
CLO3	To apply and Prepare estimates, checking of contractor's bills
CLO4	To learn the construction process during Site Visit and Supervise the work.

Text / Reference Books: Training Manual

EIGHTH SEMESTER

	Broad Category of Course	Course Title	Credit Structure				Hours
			L	T	P	Credits	
1	Discipline Specific -Core	Research Skills	3	0	0	3	3
2	Discipline Specific -Core	Thesis Project	12	0	0	12	12
3	Specialization / Minor	Professional Practice	3	0	0	3	3
4	Specialization / Minor	Interior Project Construction Management	2	1	0	3	3
5	Specialization / Minor	Elective: Set Design/Interior Design Journalism	3	0	0	3	3
6		Total	15	0	0	24	24

Annexure 'CD-01'

L/S	T	P	Credits	Hours
3	0	0	3	3

RESEARCH SKILLS

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To enable the student to analyze and evaluate architectural projects etc. and also understand architectural research with special emphasis on India.

Prerequisites: Basic knowledge of Research and Writing.

Course Contents/syllabus:

Unit I: Design Evaluation	Contact Hours
<ul style="list-style-type: none"> ○ Introduction: An introduction to Design evaluation in general and definition, purpose, scope and its applications to Interior Design, fine arts literature etc. ○ Techniques: Techniques of analysis and evaluation employed in buildings, projects competitions etc. methods of appraisal / evaluation of building complexes and exhibitions. 	9 Hours
Unit II: Value of Appraisal	Contact Hours
<ul style="list-style-type: none"> ○ Appraisal / evaluation: Value of appraisal / evaluation reports and reviews in the field of interior Design, fine-arts, literature, their scope, and merits. ○ Report and review writing: Techniques of report and review writing, their application to Interior Design publications. 	12 Hours
Unit III: Interior Design Research	Contact Hours
<ul style="list-style-type: none"> ○ Interior Design Research: An introduction to Interior Design in general and in profession, its purpose and scope. Interior Design research in India from earliest time to the present era. Research methods, evaluation of results and its application. 	12 Hours
Unit IV: Research Methodology	Contact Hours
<ul style="list-style-type: none"> ○ Introduction to Research Methodology, methods of Research. ○ Research Design, Techniques of preparing a project report. ○ Ethical issues related to publishing, Plagiarism Importance of Referencing, Different styles of referencing. 	12 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Course Learning Outcomes:

CLO1	Understanding the Introduction to research methods, process and research methodology
CLO2	Understanding the Review of an interior design book prescribed by subject teacher.
CLO3	Understanding the Writing a report on ongoing project in Interior design.
CLO4	Learning an Ethical Research report for the Interior design projects.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Groat L.	Architectural Research Methods	Wiley India Exclusive (Others)	2018	8126571942	200
Elzbieta Danuta Niezabitowska	Research Methods and Techniques in Architecture	Wiley India Exclusive (Others)	2018	9781138055988	350
Sanoff, H.	Methods of Architectural Programming	Dowden Hutchinson and Ross Publishing Inc. Vol.29, Community Development Series	2018	9780367023669	198
Ajla Akšamija	Research Methods for the Architectural Profession	Routledge	2021	0367433966	214



THESIS PROJECT

L/S	T	P	Credits	Hours
12	0	0	12	12

Course Credits: 12

Weekly Contact Hours: 12

Course Level: UG

Course Objectives:

- To prepare student to independently handle and present all aspects of an Interior design, from its evolution to final solution in totality. To prepare a detailed design & research report.
- To demonstrate the students' capability of synthesizing Interior, Architecture engineering systems, social sciences and humanities through a capstone project which showcases creative and critical thinking abilities and skills developed through the course.

Prerequisites: Basic knowledge of Interior Research & Report writing.

Course Contents/syllabus:

Unit I: Introduction to Interior Thesis	Contact Hours
<ul style="list-style-type: none"> • A report on Synopsis, Project Formulation and Report having project' proposed areas, Library studies, Case Studies & their inferences, comparison and analysis, Stage discussions of the project. • The stage includes design discussions with the experts. 	45 Hours
Unit II: Stage discussions, Submissions & Viva-voce	Contact Hours
<ul style="list-style-type: none"> • Design Concept, Design development Stages mentioning zoning, areas with model, pre-Liminary design stage discussions. • The stage includes design discussions with the experts. 	45 Hours
Unit III: Pre-Final Stage Submission	Contact Hours
<ul style="list-style-type: none"> • Pre-final Submission, area formulations, design improvements, Detailing of Architectural Design with forms & model. A draft compiled Stage report. • The stage includes design discussions with the experts. 	45 Hours
Unit IV: Final Stage Submission	Contact Hours
<ul style="list-style-type: none"> • Final Submission, design improvements, Detailing of Interior Design with forms & model. A final compiled Stage report with final design viva-voce. 	45 Hours

Course Learning Outcomes:

CLO1	Understanding the independence of handling a Live project while dealing with different issues pertaining to site selection.
CLO2	Understanding & deal with defining scope and preparing designing brief.
CLO3	Understanding the design methodology required in project selection.
CLO4	To showcase Analysis, knowledge and understanding of planning, designing, construction, structure, Services etc.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Donald Watson, Michael Crosbie, John Clender	Time Saver Standard for Architectural Design Data	McGraw-Hill Education	1997	0070685061	1024
Francis D.K. Ching	Architecture Form, Space and Order	John Wiley & Sons	2014	9781118745083	464
V.S. Pramar	Design Fundamentals in Architecture	Somaiya Publications Pvt.Ltd., New Delhi	1997.	8170391709	270
Ernst Neufert	Neuferts Architects Data	John Wiley & Sons	2000	9788126517619	636
Broadbent, G.	Design in Architecture - Architecture and Human Science	John Wiley and Sons. New York	1973	978-471105831	600
Roger, K. L.	Architect? A Candid Guide to the Profession	Cambridge: The MIT Press	1998	0262621215	304

PROFESSIONAL PRACTICE

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To enable a student to work independently, and exercise informed judgements on the demands of the subject at high level.

Prerequisites: Basic knowledge of History.

Course Contents/syllabus:

Unit I: Introduction to Professional Management	Contact Hours
<ul style="list-style-type: none"> Concept, Organization, Presentation, Ethics, responsibilities & significance of professional code of conduct 	9 Hours
Unit II: Structure of Interior Designer's Office	Contact Hours
<ul style="list-style-type: none"> Conditions of engagement, Office management Scale of professional fee & charges, Duties of employer under labor welfare provisions 	12 Hours
Unit III: Tenders & Contracts	Contact Hours
<ul style="list-style-type: none"> Definition & meaning of tender & contract, tender notice, tender document, types of tenders 	12 Hours
Unit IV: Types of Contracts	Contact Hours
<ul style="list-style-type: none"> Articles of agreement, execution, scope of contract, duties and liabilities of contractor, legal aspects of contract 	12 Hours

Course Learning Outcomes:

CLO1	Understand the professional code of conduct
CLO2	Apply the knowledge base to routine office management
CLO3	Analyze the legal aspects of contracts
CLO4	Evaluate duties and liabilities as per the articles of Agreement.

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
M Chakraborti	Estimating, Costing, Specification & Valuation in Civil Engineering	Chakraborti	2006	818530436X	856
Dr Roshan H Namavati	Professional Practice: With Elements of Estimating, Valuation, Contract and Arbitration	Lakhani Book Depot	2016	9385492667	545
Philip King	Professional Practice Management	Law Book Co of Australasia	1995	0455213364	300
Hedley Smyth	Managing the Professional Practice: In the Built Environment	Blackwell Publishing Ltd	2011	9781405199759	200

INTERIOR PROJECT CONSTRUCTION MANAGEMENT

L/S	T	P	Credits	Hours
2	1	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: To make student understand and appreciate the role and importance of management in the interiors of building construction

Course Contents/syllabus:

Unit I: Introduction to Interior Project Construction Management	Contact Hours
<ul style="list-style-type: none"> Aim, Objectives and functions of Interior Project Construction Management. Role of Interior Designer, Architect and Construction/Project manager in Interior Project Construction Management. Resources of construction industry. Construction stages of project. 	9 Hours
Unit II: CPM and PERT	Contact Hours
<ul style="list-style-type: none"> Differences between PERT and CPM, Basic concepts, Procedure to draw a network, Time estimates, Time analysis of networks. Events slacks and activity floats, critical path, Crashing project completion time, Time scale networks, Probability of completion of a project, Resource allocation. 	12 Hours
Unit III: Contracts and Corresponding Acts	Contact Hours
<ul style="list-style-type: none"> Award of contract, terminology The Indian Contract Act, 1963 The Arbitration and Conciliation Act, 1996 Service Tax Act, 2004. 	12 Hours
Unit IV: Site Work	Contact Hours
<ul style="list-style-type: none"> Issue of Work Order, Commencement of Work, Discharge of Obligation by Owner and Contractor, Site Organization, Supervision of Works, Duties of Interior Designer/Architect or Engineer Supervising the Work, what as site Interior Designer Architect/Site Engineer Should Remember, Site Meetings, Essential Site Records, Mode of Measurements, Scrutiny of Bills, Breach of Contract, Final Completion of Work, Common Causes of Accidents, Safety Management, Cost Effectiveness and Control can be achieved in the Following Stages. 	12 Hours



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Course Learning Outcomes:

CLO1	Understand the need for Management in Interior Design projects
CLO2	Comprehend methods to integrate various resources, manpower, finances to ensure timely completion of project
CLO3	Familiarize with types of contracts and acts as per Indian legislation
CLO4	Be able to monitor construction schedule and evaluate the performance of collaborating teams to deliver results

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Paul Netscher	Construction Management: From Project Concept to Completion	Panet Publications	2014	978-1975934347	372
Krishan Kumar Chitkara	Construction Project Management	McGraw-Hill	2019	978-9353166274	768
Kumar Neeraj Jha	Construction Project management, Theory & Practice	Pearson Education India	2015	978-9332542013	904
Krishnamurthy	Construction and Project Management	CBS Publishers and Distributors	2018	978-9386217790	314
B.C. Punmia	Project Planning and Control with PERT and CPM	Laxmi Publications Private Limited	2016	978-8131806982	260



ELECTIVE II - SET DESIGN

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3

Weekly Contact Hours: 3

Course Level: UG

Course Objectives: It offers students a comprehensive understanding of the principles and practices involved in designing sets for various applications, including film, television, theater, events, and exhibitions. students will develop the skills necessary to conceptualize, plan, and execute set designs that effectively communicate narratives, themes, and atmospheres

Course Contents/syllabus:

Unit I: Introduction to Set Design	Contact Hours
<ul style="list-style-type: none"> Understanding Set Design: Definition and significance of set design in visual storytelling and spatial representation. Overview of the role of set designers, their responsibilities, and collaborative processes with directors, producers, and other creatives. Types of Sets: Exploration of different types of sets, including theatrical sets, film sets, television sets, event sets, and exhibition sets. Analysis of set design requirements, spatial considerations, and technical constraints for each type of set. Historical Perspectives: Survey of historical developments and key figures in set design, including influential styles, movements, and innovations. Examination of case studies and examples of iconic set designs from various periods and cultural contexts. 	9 Hours
Unit II: Narrative and Concept Development	Contact Hours
<ul style="list-style-type: none"> Script Analysis and Storyboarding: Techniques for analyzing scripts, storylines, and character arcs to inform set design concepts. Use of storyboarding, sketches, and visualizations to translate narrative elements into spatial compositions and scenic elements. Conceptualization and Mood Boards: Methods for generating design concepts, mood boards, and design languages that capture the essence of the narrative, setting, and characters. Exploration of color palettes, textures, materials, and stylistic elements to evoke specific moods, atmospheres, and emotional responses. Spatial Planning and Layout Design: Principles of spatial planning, circulation, and staging to optimize set layouts for visibility, performance, and camera angles. Integration of scenic elements, props, furniture, and lighting into cohesive spatial compositions that enhance storytelling and visual impact. 	12 Hours
Unit III: Technical Drawing and Visualization	Contact Hours
<ul style="list-style-type: none"> Drafting and Technical Drawing: Introduction to drafting tools, techniques, and conventions used in set design, including floor plans, elevations, and 	12 Hours

<p>construction drawings.</p> <ul style="list-style-type: none"> • Practice in creating accurate and detailed technical drawings that communicate design specifications, dimensions, and construction details. • 3D Modeling and Rendering: Overview of 3D modeling software and rendering tools used in set design visualization, such as SketchUp, Blender, • Hands-on exercises in creating digital 3D models, textures, lighting setups, and realistic renderings of set designs. • Virtual Reality and Augmented Reality: Exploration of virtual reality (VR) and augmented reality (AR) technologies for immersive set design visualization and previsualization. 	
Unit IV: Production and Execution	Contact Hours
<ul style="list-style-type: none"> • Materials and Construction Techniques: Selection of appropriate materials, construction methods, and fabrication techniques for building set elements, props, and scenic backdrops. • Consideration of durability, safety, budget, and sustainability criteria in material choices and construction processes. • Collaboration and Communication: Strategies for collaborating with production teams, scenic artists, prop masters, and technical crews to realize set designs. • Effective communication of design intent, specifications, and revisions through meetings, drawings, and digital documentation. • Budgeting and Scheduling: Techniques for budgeting set construction costs, labor expenses, and material purchases based on project requirements and resource constraints. • Development of production schedules, timelines, and milestone plans to manage workflow, logistics, and deadlines effectively. 	12 Hours

Course Learning Outcomes:

CL01	Understand the use of Set and their design.
CL02	Gaining experience of materials and structure of Set Design
CL03	Select and apply appropriate materials as per the functions and provision of technical drawing
CL04	Understanding the Production and execution

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	Pages
Michael Rizzo	The Art Direction Handbook for Film & Television	Routledge	2017	978-1138901963	328
Pamela Howard	Scenography: An Introduction	Routledge	2013	978-041553916	262
Meghan C. Randolph	The Set Designer's Art: The Design Process from Concept to Presentation	Focal Press	2016	978-1138787582	284
Fraser & Angelini	Theatre Design: A Practical Guide	Crowood Press		978-1785003843	256
Richard Cadena	Theatre and Event Technology: Principles and Practices	Focal Press	2018	978-1138697614	584



Elective-II: INTERIOR DESIGN JOURNALISM

L/S	T	P	Credits	Hours
3	0	0	3	3

Course Credits: 3
Weekly Contact Hours: 3
Course Level: UG

Course Objectives:

- To familiarize the students with detail of various building components
- To introduce the building materials their properties and application in building construction.

Course Contents/syllabus:

Unit I: Introduction to Interior Design Journalism	Contact Hours
<ul style="list-style-type: none"> • Role of media in profession of Architecture. • Journalism & its types. • News, Values, Responsibility of Reporter. 	9 Hours
Unit II: Documenting and Analyzing Data	Contact Hours
<ul style="list-style-type: none"> • Analysing data to find out trends and new angles • Presenting data for media audience. • Understanding the Audience, gathering Intelligence through Research • Principles of writing: Authorial Voice and Structure of material. • Preparing press note, Photo-series & Skills of Photojournalism, writing captions. 	12 Hours
Unit III: Computer Assisted Reporting	Contact Hours
<ul style="list-style-type: none"> • Computer assisted reporting: Use of search engines and web (twitter etc.) • Blog writing & managing a blog. • Techniques of writing features, News, Articles, Profiles of personalities Interviews, Advertisements. • Editorials: Structure of Editorials, Editorial Board • Writing letter to editor, Columns Middles & Editorial cartoons. 	12 Hours
Unit IV: Reviewing Art Innovations and Festivals	Contact Hours
<ul style="list-style-type: none"> • Reviewing Art & Architecture/Interior Design Festivals, Reporting Live performances, Seminars, Conferences, Events, Disasters, Court cases, judgments. • Reporting on innovations by industry, Ethics of Reporting. 	12 Hours

Course Learning Outcomes:

CL01	Understand the methods of Journalism
CL02	Apply media toolset to gather information.
CL03	Analyze computerized aids to present views and reports
CL04	Review innovative art solutions in projects.



**Amity School of Architecture and Planning,
Amity University Punjab, Mohali
Syllabus for Bachelor in Interior Design (B.ID)
Classes (Batch 2025-2029 onwards)**

Text / Reference Books:

Author	Title	Publisher	Ed/year	ISBN No	ages
Mohammad Al-Asad, Majd Musa	Architectural Criticism & Journalism	Umberto Allemandi & Co	2007	978-8842214809	208
Pappal Suneja	Exploration of Architectural Journalism in India	Copal Publishing	2019	978-1072583271	180
Pappal Suneja	Myriad Disciplines of Architectural Writing	White Falcon Publishing	2019	978-9388459587	186
Pappal Suneja	Literature Study & Technical Writing in Architecture	Lambert Academic Publishing	2018	978-3330007109	144
Robin Wilson	Image, Text, Architecture: The Utopics of the Architectural Media	Routledge	2016	978-1138573260	251