

CODE	SUBJECT	MARKS
ID -101	BASIC DESIGN -1	300
FOCUS		
	To understand fundamentals of visual perception, interpretation and principles of aesthetics Develop mind-eye –hand co-ordination and observation skills	
CONTENT		
	<ul style="list-style-type: none"> - Analysis of visual impressions and representing in various media - Understanding of design elements: – point, line, shape, form, space - Understanding design principals : order, rhythm, harmony, balance and contrast - Meanings , symbolism attached to the design elements - Understanding design principals and its architectural application - Understanding of aesthetical value addition with colour and texture - Explore natural and artificial textures and study its visual impact 	
METHODOLOGY		
	<p>Exercises</p> <ul style="list-style-type: none"> – theoretical explanation - Series of graphical exercises and transform/conversion into 2D and 3D models through exploring different media – understanding tangibility of spaces by converting 2D graphical designs into 3D compositions through models 	
REFERENCE BOOKS		
	<p>Art in Everyday life- Harriet Goldstein Logic and design –Krome Barrat 101 things I learnt in Architecture –Mathew Fredrick Pattern language –Christopher Alexander Form, Space and Order –D.K.Ching What is Design-Paul Grilo</p>	

CODE	SUBJECT	MARKS
ID -102	ARCHITECTURAL GRAPHICS-1 (TRD)	300
FOCUS		
	To develop understanding of technical drawing as a tool for communication	
CONTENT		
	<ol style="list-style-type: none"> 1. introduction & use of drawing instruments 2. line exercise 3. lettering 4. orthographic projections <ul style="list-style-type: none"> - solids - planes - lines, points 5. orthographical projections : inclined objects 6. sections of solids 7. auxiliary projections 8. development of surfaces 	
METHODOLOGY		
	Various drawing exercises and making models of basic geometrical solids	
REFERENCES		
	Engineering drawing- N.D. Bhatt Engineering drawing and geometry- Hoelscher and Springer Rendering with Pen and ink – Robert W. Gill	

CODE	SUBJECT	MARKS
ID -103	MATERIALS & CONSTRUCTION – 1	200
FOCUS		
	<ul style="list-style-type: none"> • To understand basic building materials and construction techniques for building and composite architecture • To acquaint with basic building elements 	
CONTENT		
	<ul style="list-style-type: none"> • Introduction of building and its different elements like foundation, plinth and super structure. Understanding function and design. • Understanding physical and behavioral properties, method of application, different construction techniques and criteria for selection of materials and design aspects for different types of materials • Construction Fundamentals:- <ul style="list-style-type: none"> ○ Material : Brick ○ Construction: <ol style="list-style-type: none"> 1. Technique with examples 2. Types of brick masonry 3. Case studies of building with exposed brickwork 4. Land mark structures 5. Techniques with examples 6. Case studies of buildings 7. Landmark structures <p>Material: Timber, wood and wood based products, Laminates, Glass Material : Metal (ferrous, non –ferrous, alloys used in building industry) Construction Material: Application of different types of metal in building construction</p>	
METHODOLOGY		
	<p>Exercises – theoretical explanation – Series of graphical exercises and transform/conversion into 2D and 3D models through exploring different media – understanding tangibility of spaces by converting 2D graphical designs into 3D compositions through models</p>	
REFERENCE BOOKS		
	<p>Art in Everyday life- Harriet Goldstein Logic and design –Krome Barrat 101 things I learnt in Architecture –Mathew Fredrick Pattern language –Christopher Alexander Form, Space and Order –D.K.Ching What is Design-Paul Grilo</p>	

CODE	SUBJECT	MARKS
ID -104	Drawing and Painting	100
FOCUS		
	<ul style="list-style-type: none"> - Develop skill of transforming visuals into drawings and improve perception -Develop eye-hand, mind-hand co-ordination/synchronisation - Enhance creativity - Develop an ability to communicate the ideas effectively 	
CONTENT		
	<ul style="list-style-type: none"> • Lines, curves, • Drawing and rendering techniques with pencil • Object drawings • Perspective and proportion, • Understanding objects in proportion to human scale • Introduction of different colour mediums • Textures and colours • Indoor and outdoor sketching 	
METHODOLOGY		
	<p>Different exercises regarding drawing and painting as assignment Demonstrations of different techniques</p>	
REFERENCE BOOKS		
	<ul style="list-style-type: none"> • Design Drawing – Francis D.K. Ching (With Steven P. Juroszek) • The Natural Way to Draw – Kimon Nicholaides • Color for Architecture – Edi. Tom Porter and Byron Mikellides 	

CODE	SUBJECT	MARKS
ID –105	Humanities	100
FOCUS		
	Culture and Civilization <ul style="list-style-type: none"> - To expose the students to the relationship between man and environment - World history: system of knowledge - To familiarize the students with basic concepts, theories and issues of culture and society-its relevance to architecture - Study of humanity, its culture to form derivation for design –physical manifestation in the contemporary world 	
CONTENT		
	<ul style="list-style-type: none"> - Introduction of society, basic concepts of society-group, community(rural and urban), association, institution - concept of culture, cultural identity, diversity and change - philosophy and relevance of art and crafts in life 	
METHODOLOGY		
	<ul style="list-style-type: none"> - Exercises based onto above objectives 	
REFERENCE BOOKS		
	<ul style="list-style-type: none"> - How the other half builds? - Glimpse of world history - Ascent of man- J. Bronowski - Humanities through eras- Philip Soergel - An introduction to sociology- Vidhya Bhushan and D. R. Sachdeva - Indian Society and Culture- Continuity and change by Nadeem Husnain - 'Letters to daughter'- Jawaharlal Nehru 	

CODE	SUBJECT	MARKS
ID -106	COMMUNICATION AND PRESENTATION SKILLS	100
FOCUS		
	The aim is to enhance the students' ability to understand and converse in English and to be able to score a satisfactory score in competitive area.	
CONTENT		
	Foundation component: <ul style="list-style-type: none"> • Understanding the basic structure of language • Grammar, vocabulary, speech and other part of the language • Using the verbal language for communication purpose • Architecture vocabulary • Understanding essential grammar and translation • Using ascent and rhythm correctly 	
METHODOLOGY		
	Teaching and instruction will involve the use of lecture-cum-workshop mode most of the time. The focus in teaching and instruction will be learner-oriented and every effort will be made to maximize student participation with learner as partners in classroom exploration. Thus there will be oral and written presentations.	
REFERENCE BOOKS		
	<ol style="list-style-type: none"> 1. Enrich your English – communication skill book – S. R. Inthira and V Sarasvati, 1995 2. High school Grammar – Wren and Martin 3. Architectural Dictionary 	

CODE	SUBJECT	MARKS
ID-201	DESIGN STUDIO -1 (SPACE PLANNING)	300
FOCUS		
	Introduction to Design studio, Anthropometry and Space Planning	
CONTENT		
	<ul style="list-style-type: none"> - function and importance of design - Important function in relation to its form, realization of dimension and related proportion - Importance of human dimension in working out the size and volume which leads to the solution of arriving to the space of various activities. 	
METHODOLOGY		
	<p>Exercises</p> <ol style="list-style-type: none"> 1. Measure drawing of the articles used in any domestic activity and to study relative proportions 2. With the help of measured objects arrive to dimension of usable functional space in 2D 3. Study of anthropometry with dimensions for various activities of day to day life 	
REFERENCE BOOKS		

CODE	SUBJECT	MARKS
ID -202	BASIC DESIGN – 2	300
FOCUS		
	<ul style="list-style-type: none"> • To develop the perceptions towards using the basic principles of aesthetics which can be useful to create a built form • Emphasis on 3D form/space 	
CONTENT		
	<ul style="list-style-type: none"> • Observing and analyzing the natural objects and transferring into manmade patterns • Generation of 3D forms from 2D shapes: exploration of various techniques (extrusion, repetition, addition, twisting etc.) • Modification of 3D forms • Volumetric study v/s analysis through height v/s 2D configuration • 3D composition using 2D geometric shapes • Study of solid v/s transparency (void) • Exploration of form from within 	
METHODOLOGY		
	<ul style="list-style-type: none"> • Theoretical explanation • Series of graphical exercises and transform/conversion into 2d and 3d models through exploring different media • Understanding tangibility of spaces by converting 2d graphical designs into 3d compositions through models • Preparing the 3d compositions using the different materials to express reflection of the perception 	
REFERENCES		
	<ul style="list-style-type: none"> • Art in Everyday life- Harriet Goldstein • Logic and design –Krome Barrat • 101 things I learnt in Architecture –Mathew Fredrick • Pattern language –Christopher Alexander • Form, Space and Order –.K.Ching • What is Design-Paul Grilo 	

CODE	SUBJECT	MARKS
ID -203	ARCHITECTURAL GRAPHICS – 2 (TRD)	200
FOCUS		
	To develop understanding of technical drawing as a tool for communication	
CONTENT		
	<ol style="list-style-type: none"> 1. Sciography 2. Perspective <ul style="list-style-type: none"> - 1-point - 2-point - 3-point 3. Rendering techniques Architectural Drawing Development of Drafting skills for architectural drawings 4. 	
METHODOLOGY		
	Various drawing exercises	
REFERENCES		
	Engineering drawing- N.D. Bhatt Engineering drawing and geometry- Hoelscher and Springer Rendering with Pen and ink – Robert W. Gill Perspective- Robert W. Gill	

CODE	SUBJECT	MARKS
ID -204	MATERIAL & CONSTRUCTION – 2	100
FOCUS		
	To understand advance building materials and construction techniques for building and composite architecture	
CONTENT		
	<ul style="list-style-type: none"> • Openings(doors and windows) • Types of lintel • Arches • Internal finishes • Material : Wood (market form of wood and wood based products) <p>Construction:</p> <ol style="list-style-type: none"> 1. Terms 2. Principles of Joinery 3. Classification of joints 4. Widening joints 5. Angle and Oblique joints 6. Fastenings 7. Tools uses <p style="padding-left: 40px;">Wooden (floor and roof) system</p> <p>Understanding physical and behavioral properties, method of application, different construction techniques and criteria for selection of materials and design aspects for different types of material</p>	
METHODOLOGY		
	Lectures based on theory and class given assignments, practice questions and sketching and drawings, Case Studies and practices, site visits to study material, model making etc..	
REFERENCE BOOKS		
	<p>Engineering Materials – S.C. Rangwala Building Materials – B.C.Punmaia Construction of building – Vol 2 – R.Barry Building construction metric vol 1 – W.B.Mckay Building Construction – B.C.Punamiya Buidling materials and components – CBRI Roorkee Building construction Illustrated by – Fransis D.K.Ching Building Materials –S.K. Duggal Building Construction Handbook- Roy Chudley and Roger Greeno</p>	

CODE	SUBJECT	MARKS
ID -205	HISTORY OF INTERIOR DESIGN – 1	100
FOCUS		
	<p>To inform about the development of interior design in the ancient western world</p> <ul style="list-style-type: none"> • To understand interior design as evolving within specific cultural contexts including aspects of politics, society, religion and climate 	
CONTENT		
	<ul style="list-style-type: none"> -introduction of subject - evolution of interior design as discipline -Understanding contextual reference (social, technology etc.) - Influence of different art movements on interior design - Interior design in "Indian Context" - evolution of furniture design and study of period furniture 	
METHODOLOGY		
	<p>theoretical explanations and group discussions Class work and assignments/presentation</p>	
REFERENCE BOOKS		
	<p>Interior Design Illustrated- Ching and Bingel</p>	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID) SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-301	Design Studio-II(Residential)	300

AIM:-

To develop cohesive understanding of the interiors of Residential spaces and to analyze its various typologies based on the characteristics, usage pattern, organization and users

CONTENT:-

Introduction to the Residential interiors

- To develop broad understanding of the residential spaces in Traditional setup, studying its evolution and development over years. Understanding materials and its use as an important element of Interior spaces and expression of the built form.
- Understanding residential interiors and different residential Typologies.
- Exposure to various residential design philosophy
- Impact of client brief and concept generation based on that for Interior.
- Focus on developing design skills with practical application of all Theory subjects and create functionally viable and aesthetically Appealing harmonious interior development.

METHODOLOGY:-

Studio conducted with assignments based on the site visits, analysis of site, preparation of drawings, sketches and models. Understanding the case, studies with the help of primary and secondary data.

- Selection of site and analysis for final interior design exercise baseb On topologies.
- Development of concept based on the above criteria
- Final Design exercise
- Detailing out one design element

REFERENCE BOOK:-

- Time saver Standards for interior Design and Space planning-Joseph De Chiara, Julius Panero
- Dictionary of Interior Design-Mark Hinchman
- Living Architecture greatest American houses of the 20th century- Dominique Browning and Lucy Gilmour.
- Inspired Homes Architecture for changing times-Avi Friedman
- Frank Lloyd Wrights Interiors- Thomas A. Heinz
- Lessons from vernacular Architecture-Willi Weber and Simos Yannas
- 50 Favorite rooms by Frank Lloyd Wright-Diane Maddex

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-302	Computer Application-I	100
AIM:-		
	Learning basics for CAD for 2D drafting	
CONTENT:-		
	<ul style="list-style-type: none">• Understanding of basic tools of CAD software• Understanding of different command for drafting basics• Understanding of drafting of basic drawings for presentation of design	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Theoretical understanding of CAD software and its applications through Presentations• Practicing actual drafting of plans, sections and elevations for any spaces• Drafting of plans, elevations and sections of any building• Drafting of furniture layout plans in different aspects of interior design	
REFERENCE BOOK:-		
	<ul style="list-style-type: none">• CAD• Web-source	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-303	Furniture Design-I	300

AIM:-
To understand the ergonomics of the Residential interior furniture and to understand how furniture provide human comfort

CONTENT:-
<ul style="list-style-type: none">• To understand the ergonomics of different interior furniture products through literature and case studies• Understanding of different furniture types and their uses for residential interior purposes• Understanding role of wood in designing furniture• Understanding of wooden joineries and its application• Different tools demonstration and site visits at furniture workshop to understand how furniture are developed with those tools Designing and developing different residential interior furniture (with special focus on chair) to understand how furniture is made and its practical aspects with all comfort measures.

METHODOLOGY:-
<ul style="list-style-type: none">• Literature study and various case studies with presentation to understand ergonomics.• Making of different wooden joineries at workshop to understand its practical and physical behaviour• Understanding of different residential interior furniture through literature and case studies• Site visits to understand how furniture are manufactured• Designing and Making of different residential furniture at workshop out of wood and combination of different materials with wood

REFERENCE BOOK:-
<ul style="list-style-type: none">• Alvar Aalto: Second Nature-Import, by Mateo Kries, Jochen Eisenbrand• Hans J. Wenger: Just One Good Chair-by Christian Holmstedt Olesen• Eames: Beautiful Details-by Eames Demetrosis, Gloria Fowler• Design of the 20th Century-by Charlotte & Peter Fiell• Interior Design Illustrated-by Francis D.K. Ching, Corky Inngeli• Human Dimensions and Interior Space: A Source Book of Design Reference Standards-by Julius Panero, Martin Zelnik• Furniture Design: An Introduction to Development, Materials and Manufacturing-by Stuart Lawson

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-304	Material and Construction- III	200
AIM:-		
	-To develop functioning of kitchen with sporting facilities including water supply and drainage including basics of lightning of illumination and gadget utility -Interior wall and floor finishes	
CONTENT:-		
	<p><u>Kitchen:</u> Work Triangle Design guidelines Cooking platform section and construction details Storage systems above platform and below platform Construction and accessories for storage areas</p> <p><u>Wall finishes:</u> Paint, Wall paper, Textures, various .wall treatments, cladding and traditional techniques</p> <p><u>Floor finishes:</u> Floor construction fundamentals, Evaluation of factors affecting floor selection Floor finishes- various types Hard floor-stone, marble etc. Resilient-rubber etc. Understanding traditional floor finishes vs. contemporary floor finishes</p>	
METHODOLOGY:-		
	Interactive discussions and presentation on topics, Assignments based on theory portions, Live case study to understand systems Site visits to understand construction of kitchen and cabinetry	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-305	History of Interior Design- II	100

AIM:-

	<p>-History II covers chronology of various movements in continuation of History I this is reflection of different era in broader spectrum in living culture and in lifestyle.</p> <p>-Introduction to history of Indus-Valley civilization, early Islamic and Christianity and its influence on Indian culture, Indian arts and crafts developments in different region and its impact on life style are covered here as first part of the subject with special focus on interiors and furniture</p> <p>-Also different art movement such as abstraction, Bauhaus, minimalism etc. which are highly influential with certain era are covered as a second portion of the subject</p>
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CONTENT:-

	<p>1) Region specific</p> <ul style="list-style-type: none">-Art in central India-East India tribal art-Northern India art and culture-Indian furniture style-French furniture style-Furniture styles from Eastern countries (Chinese and Japanese) <p>2) Indian art and handicrafts</p> <ul style="list-style-type: none">-Bidri-Embroidery-Inlay-Kalamkari-Madhubani-Meenakari-Ragmala-Sankheda <p>3) Art movements and influence on society</p> <ul style="list-style-type: none">-Abstracts-Bauhaus-Cubism-Dadaism-De stijl-Expressionism-Fauvism-Minimalism-Pointillism-Pop art-Supremacism-Surrealism
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METHODOLOGY:-

Interactive discussions and presentations on topics, Assignments based on theory portions, Modelling and space formation (using different creative and visuals medium and the development, patterns in respective art movements, art exploration in different movements

REFERENCE BOOK:-

A History of Interior Design by John Pile

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-306	Services- I	100
AIM:-		
	<ul style="list-style-type: none">• Understanding Services as integral part of a good interior design proposal water supply & Drainage fundamentals into toilets, kitchen etc.• Water as an element in interiors in form of fountains, aquariums, water falls etc. and explore various methods of operation	
CONTENT:-		
	<p><u>Water supply:</u></p> <ul style="list-style-type: none">• Sources, elements-layout and design of system, connection with public water distribution system, individual water supply like bore well.• Understanding water supply in kitchen and toilets to support various gadgets <p><u>Drainage:</u></p> <ul style="list-style-type: none">• Introduction of various systems of sewage and sludge removal and disposal, fittings and components of system, layout design 0• Bathroom design, fixtures, fittings and accessories 0• Connections to outdoor drainage systems• Components of outdoor drainage systems and size requirements• Principles of drainage, drainage lines, material and accessories <p><u>Water as an element of interior design:</u> How water can be used into interiors with necessary precautions for efficient functioning of aqua decoration.</p>	
METHODOLOGY:-		
	Interactive discussions and presentations on topics, Assignments based on theory portions, Live case study to understand systems Bathroom and toilet design guidelines Incorporating and applying the understanding into studio project	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID-307	Workshop-III	100
AIM:-		
	-To develop understanding about various materials used in interiors and provide students with hands-on practical training on these materials and tools -Their applications in interior'	
CONTENT:-		
	List of various recommended workshops is annexed herewith. Select one of them as per studio level which can support the prevalent studio.	
METHODOLOGY:-		
	As per selected workshop	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

SECONG YEAR - FOURTH SEMESTER

CODE	SUBJECT	MARKS
ID-401	Design Studio-III (commercial / Retail)	300
AIM:-		
	<ul style="list-style-type: none">- To develop the broader understanding of the commercial, retail, Recreation Interior Spaces and its types.- Developing advanced design skills with the study and application of ergonomics, design principles and components related to multi-user spaces.	
CONTENT:-		
	<ul style="list-style-type: none">- Introduction to the Commercial, Retail and Recreational Interiors.- Developing further detail understanding of each typology through case studies where students are expected to study in detail the practical application along with the integration of user needs and services with design philosophy.- Developing primary understanding of the above interior spaces with the help of the literature case studies.- Final Design Problem aims at enhancing their skills of planning and designing commercial space with clear understanding and application of functionality, Space usage and concept/theme, use of contemporary materials, construction techniques and advanced services required for the design project.	
METHODOLOGY:-		
	Studio conducted with assignments based on the site visits, analysis of site, preparation of drawing, sketches and models, Understanding the case studies with the help of primary and secondary data. Detail model of the one design element which would present design concept.	
REFERENCE BOOK:-		
	<ul style="list-style-type: none">- Architectural Graphics Standards by Charles George Ramsey & Harold Reeve Sleeper- Sustainable Commercial Interiors by penny Bonda & Katle Sosnowchik- Time saver Standards for Interior Design and Space Planning- Joseph De Chiara, Jullus Panero- Dictionary of Interior Design – Mark Hinchman- Architecture Form, Space, and Order by Francis Ching- Interior Designer's Portable handbook By pat Guthrie- The Codes Guidebook For Interior by Sharon Koomen Harmon, Katherine E. Kennon- Interior Design by John Pile	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

SECONG YEAR - FOURTH SEMESTER

CODE	SUBJECT	MARKS
ID-402	Furniture Design – II	300

AIM:-	To understand residential interior storage and bedroom furniture and to design and to understand how the furniture is designed to suit human comfort and need.
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CONTENT:-	<ul style="list-style-type: none">- To understand the ergonomics of different storage interior furniture products in different areas and in different context through literature and through case studies.- Understanding construction and detailing aspects of them with all practical aspects and comfort measures.- Understanding of different bedroom furniture types and their use for residential interior purposes- Case Studies to understand various sizes of beds in respect with different location i.e. Train, bus, children bed, master bed etc.
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METHODOLOGY:-	<ul style="list-style-type: none">- Literature study and various case studies with presentations to understand ergonomics- Site visits to understand how furniture are manufactured- Designing and making of different residential storage and bedroom furniture from different materials.
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REFERENCE BOOK:-	<ul style="list-style-type: none">- Innovative Indian Interiors by IAG- Good homes 101 Bedrooms – by good Homes Magazine- Styled: Secrets For arranging Rooms, From Tabletops to Bookshelves – By Emily Henderson (Author), Angelin Borsics (Author)- Bedroom Makeover: How to Design The Bedroom of Your Dreams – by Heather Davis (Author)- Design of the 20th century – by Charlotte & Peter Fiell- Interior Design illustrated – by Francis D.K Ching, Corky Inggeli- Human Dimension and Interior Space : A Source Book Of Design Reference Standards by Jullius Panero, Martin Zelnik- Furniture Design : An introduction to Development, Matrials And manufacturing- by Stuart lawsaon
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COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

SECONG YEAR - FOURTH SEMESTER

CODE	SUBJECT	MARKS
ID-403	Services II	100
AIM:-		
	Understanding Services as integral part of a good interior design proposal and creating interior environment that is productive and efficient for the users. This subject deals with study of HVAC, Acoustic, CCTV, Fire and Communication systems	
CONTENT:-		
	<p><u>HVAV:</u> Understanding fundamental of HVAV and focusing onto air conditioning system for various interior applications Components of air conditioning, Types of air conditioning, Design Guidelines for efficient working, incorporation at appropriate stage for installation at later stage, overall making it part of good interior design</p> <p><u>Acoustics:</u> Understanding acoustic fundamentals those influence behavior of space exploration of various methods and techniques to control the effect.</p> <p><u>CCTV</u> As security and control_the spread of fire and safe escape of inhabitants</p> <p><u>COMMUNICATION</u> To understand importance of communication and computer related network etc. necessary consideration to be made during design stage.</p>	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Interactive discussion and presentations on topics,• Assignments based on theory portions,• Live case study to understand systems	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

SECOND YEAR - FOURTH SEMESTER

CODE	SUBJECT	MARKS
ID-404	Construction-IV	100
AIM:-		
	<ul style="list-style-type: none">- To Understand, staircase fundamentals, exploration With different materials,- Understand-mezzanine floor construction- False Ceiling, Partitions and Paneling, false floor	
CONTENT:-		
	<p><u>Staircase:</u> Staircase basic terminology. Fundamentals of stair design Classification of stairs based on material geometry etc. Stair In various materials like concrete, wooden steel and composite steal case Handrails fixing Latest trends In finishes of Staircases and Fixing details</p> <p><u>Mezzanine floor:</u> Functional requirement to create floor space Construction of mezzanine floor with different structural and finishing materials</p> <p><u>False Ceilin,Partitions and Paneling; false floor:</u> Fundamentals, applications, construction and detailing Exploration In different materials Latest trends</p>	
METHODOLOGY:-		
	<p>Interactive discussions and presentations on topics, Assignments based on theory portions, Live case study to understand systems</p>	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - THIRD SEMESTER

CODE	SUBJECT	MARKS
ID- 405	COMPUTER APPLICATION - II	100

AIM:-

	<ul style="list-style-type: none">- Learning CAD software for 3D drafting and various presentation techniques,- Drafting and rendering of 3D using Sketch-up
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CONTENT:-

	<ul style="list-style-type: none">• Understanding of Advanced tools of CAD software• Understanding of different Command for advanced drafting i.e 3D• Understanding of presentation techniques using CAD software• Practicing each and every commands introducing small exercises• Drafting 3D of any interior space of a building using sketch-up• importing and placement of different ready to use 3d Components in a space using sketch-up .
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METHODOLOGY:-

	<ul style="list-style-type: none">• Theoretical understanding of CAD software and its applications through presentation• Practical understanding of drafting tools• Practicing actual drafting of plans, sections and elevations for any space
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REFERENCE BOOK:-

	<ul style="list-style-type: none">• CAD• Web source
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COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - FOURTH SEMESTER

CODE	SUBJECT	MARKS
ID-406	LIGHTING DESIGN	100

AIM:-

	To explore day lighting design fundamentals and its impact on interiors. To understand artificial lighting as an element of design
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CONTENT:-

	<ul style="list-style-type: none">- Day lighting – tool for efficiency and medium to create character and ambience- Exploration of day lighting with opening sizes and placement- Artificial lighting – evaluation the effect of efficient lighting design- Lighting designing basics to accommodate functional requirements- Role and contribution of lighting on interior ambience Types of lighting <ul style="list-style-type: none">- Lighting fixtures and accessories for both interior exterior- Standard graphical notation for preparing electrical layout- Understanding of electrical layout of any design project
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METHODOLOGY:-

	Interactive discussions and presentations on topics, Assignments based on theory portions, Live case study to understand systems Understanding lighting through study models and preparation of electrical layout of any studio design project
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REFERENCE BOOK:-

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COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)
SECOND YEAR - FOURTH SEMESTER

CODE	SUBJECT	MARKS
ID-407	WORKSHOP – IV	100
AIM:-		
	To develop understanding about various materials used in interiors and provide students with hands-on practical training on these materials and tools Their applications in interiors	
CONTENT:-		
	List of various recommended workshops in annexed here with. Select one of them as per studio level, which can support the prevalent studio.	
METHODOLOGY:-		
	As per selected workshop.	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID) THIRD YEAR - FIFTH SEMESTER

CODE	SUBJECT	MARKS
ID-501	Design Studio IV (Indoor & Outdoor Recreational Spaces)	400
AIM:-		
	To design Indoor recreational spaces for private and public usage keeping in mind the ergonomic factors of different age groups of humans and constraints of the space for the given environment.	
CONTENT:-		
	To understand : <ul style="list-style-type: none"> • The design brief and study the ergonomics of different interior spaces. • Space like gym, spa, yoga & meditation centers, indoor play area, hospitality spaces etc by doing literature study and conducting case studies. • To study various types layouts and materials used for specific purpose. • To study and map different types of activities carried out at different spaces. • Visiting sites as a part of case studies to understand the realistic constraints. • To develop presentation & shop drawings for the selected design. • To create scale models using various materials representing actual materials and textures planned to be used. 	
METHODOLOGY:-		
	<ul style="list-style-type: none"> • Literature study by reading reference books and online study material • Site visits to understand the constraints • Conducting and studying various case studies with presentations to understand the requirements, ergonomic factors. • Studying the technical aspects related to services. • 1500 to 2000 sq. ft. site area to be given for final design • Designing and making scale models 	
REFERENCE BOOK:-		
	<ul style="list-style-type: none"> • "World of spa design" by Xia Jiajia • "Design for parks and recreational spaces" by walker, Theodore D • "Playgrounds and recreational spaces" :Introduction by Alfred Ledermann • "Playgrounds and recreational spaces" :Introduction by Alfred Ledermann • "Human Dimension & Interior Space": A Source Book of Design Reference Standards by Julius Panero and Martin Zelnik • "Pools and Spas": Everything You Need to Know to Design and Landscape a Pool by editors of sunset books • "Spa & Healthclub Design" by TeNeues 	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - FIFTH SEMESTER

CODE	SUBJECT	MARKS
ID- 502	Furniture Design III (Outdoor Furniture)	300

AIM:-	To design and understand outdoor furniture.
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CONTENT:-	<p>To understand :</p> <ul style="list-style-type: none">• The design brief and study the ergonomics of furniture of the same category.• Space and furniture by doing literature study and conducting case studies.• Various types of materials, finishes required for difference spaces to protect against different weather conditions.• Manufacturing aspects by visiting a furniture manufacturing setup or workshop for Joineries and materials to be used.• Visiting sites as a part of case studies to understand the realistic constraints.• To develop presentation & shop drawings for the selected design.• To create scale models, actual scale prototypes in workshop to learn the practical aspect of designing a furniture.
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METHODOLOGY:-	<ul style="list-style-type: none">• Literature study by reading reference books and online study material• Site visits to understand the constraints• Conducting and studying various case studies with presentations to understand the requirements and ergonomic factors• Studying the available furniture in market to understand the manufacturing and joinery aspects.• Designing and making scale models of the furniture at workshop using various available materials.
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REFERENCE BOOK:-	<ul style="list-style-type: none">• "Architectural Standard" by Ernst & Peter Neufert• "1000 chairs" by charlotte & Peter fiell• "Making it" by chris lefteri• "Design of the 20th Century" by Charlotte Fiell• "The Encyclopaedia of Furniture" by Joseph Aronson• "Furniture: Furniture That Transforms Space" by Anna Yudina• "Furniture Design: An Introduction to Development, Materials and Manufacturing" by Stuart Lawson• "Garden Fireplaces and Outdoor Furniture Paperback" by Various Artists• "Hand-Built Outdoor Furniture" by Katie Jackson
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COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - FIFTH SEMESTER

CODE –	SUBJECT:-	MARKS
ID-503	CONSTRUCTION IV	100
AIM:-		
	<ul style="list-style-type: none">• Understanding roof and roof coverings.• Understanding of thermal insulation and acoustics related to design of wall, floor and roof.• Sound proof partitions and doors for recording studios, Cinemas, broadcasting studios etc.• Applications and fundamentals of wet and dry cladding.	
CONTENT:-		
	<ul style="list-style-type: none">• ROOFS: Technical terms Different types of roof (Flat, Pitch, Shell & Dome) Roof coverings• THERMAL INSULATION: Technical terms Fundamentals Different types of insulating materials Methods• BUILDING ACOUSTICS : Terminology in acoustics – Factors influencing hearing conditions. Sound in spaces, between spaces, effect of opening and surfaces. Criteria for acoustics environment, criteria for reverberation in spaces. Reverberation time. Background noise, structure borne sound. Sound absorption, acoustical materials. Sound insulation for equipment's. Acoustics for auditoriums and lecture halls. Design for good hearing, loudness and distributing, reflection and diffusion of sound. Various sound amplifying systems.• WET AND DRY CLADDING:. Fundamentals Applications	
METHODOLOGY:-		
	Lectures based on theory and class given assignments, practice questions and sketching and drawings, Case study and Practices, site visits to study materials, model making.	
REFERENCE BOOK:-		
	Engineering materials – S.C.Rangwala Building Materials – B.C. Punamia Construction of Building- R. Barry Building construction – W.B.Mckay Building construction – B.C. Punamia	

Building Materials- S.K. Duggal

Building construction handbook – Roy Chudley & Roger Greeno

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - FIFTH SEMESTER

CODE	SUBJECT:	MARKS
ID-504	Specification and estimation	100
AIM:-		
	<ul style="list-style-type: none">To study cost and availability of various materials used in the field of Interior Design.Preparing the estimate of various product and space.	
CONTENT:-		
	<ul style="list-style-type: none">Estimate and its purpose.General estimateDetailed estimateRate Analysis: Meaning, Importance, Purpose and use, factors affecting rate analysis. Rate analysis of major items of building work.Factors affecting the estimate of project.Preparing abstract sheet for calculating estimate.Estimate of furniture along with small spaceCalculate estimate of floor ,ceiling,wall for material as wood, glass, acrylic, alluminium,steel, pop,gypsum board, paint and wall paper.	
METHODOLOGY:-		
	<ul style="list-style-type: none">Understanding basic furniture according to its dimensions and material.Design a minimal furniture.Prepare estimate sheet of a furniture.Design a small space or a room.Prepare estimate of a small interior space in abstract sheet.	
REFERENCE BOOK:-		
	<ul style="list-style-type: none">Interior design materials and specifications.Estimation and valuation by Rangwala	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - FIFTH SEMESTER

CODE	SUBJECT	MARKS
ID- 505	Climatology	100
AIM:-		
	<ul style="list-style-type: none">• To focus on Climate and its impact on built environment and its interiors.• Understanding climatology for various climatic zones as well as passive control devices used in interiors.• Understanding light & sound as elements affecting the build environment and its interiors	
CONTENT:-		
	<ul style="list-style-type: none">• Solar radiation• Climatic zones within the tropical belt• Elements of climate:• Effect of climate on man, shelter and interiors.• Site Climate• Regional approach• Human comfort conditions• Principles of Thermal Design• Effect of Humidity n• Ventilation.• Lighting and acoustics• Principles of Sound• Passive Design Controls	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Exercises to enhance understanding of above concepts.• Application of concepts in design work.• Case study	
REFERENCE BOOK:-		
	<ol style="list-style-type: none">1. Design with Climate, Victor Olgyay2. Climate of Gujarat, IMD, GOI3. Climatic Building Design, Donald Watson4. Urban Microclimate, EvyatarErell, David Pearlmuter and Terry Williamson5. Manual of Tropical Housing and Building, Otto Koeniggsberger, T G Ingersoll, Alan Mayhew and S V Szokoly6. Climate Responsive Architecture, Arvind Krishna and others7. Man Climate and Architecture, B. Givon	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - SIXTH SEMESTER

CODE	DESIGN STUDIO-(INSTITUTIONAL)	MARKS
ID-601		400
AIM:-		
	<ul style="list-style-type: none">• Creating a character for a corporate OR institutional set up through meaningful interior Environment• Understanding to see interior designing as a comprehensive total process incorporating a systematic design approach and conscious image building.	
CONTENT:-		
	<ul style="list-style-type: none">• Understanding the nature of a corporate or institutional establishment.• Administrative Setups for public as well as private sectors through economic-commercial, social,• Various case studies to understand the functionality of space according to staff.• Large scale project (minimum area =5000 sq ft)• Psychological factors, behavior patterns and space utilization.	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Conceptual design development with space hierarchy• Presentation through detailed drawings, models, visual models• Techniques of building services system•	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR – SIXTH SEMESTER

CODE	SUBJECT	MARKS
ID-602	Furniture Design –IV (Folding/Modular Furniture)	300
AIM:-		
	To design furniture for multiple usage in residential spaces like Living room, dining room, study room, bedrooms, etc keeping in mind the ergonomic factors.	
CONTENT:-		
	<ul style="list-style-type: none">• To understand the different types of furniture and their uses.• To understand the need of multiple use of single furniture in residential spaces like dining room, living room, bedroom, etc.• To understand the ergonomics of residential interior furniture through detail case studies and literature study.• Understanding of different materials, their strengths to create flexible/adjustable joineries.• To understand multiple use of furniture, which allows the change of human postures for better comfort using optimum space usage.	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Case studies and literature studies to understand the ergonomics of residential and office furniture.• Making of wooden/Metal or any other material's joinery to get a practical and physical behavior.• Site visits of furniture industry/showroom for better understanding of how they make, transport and sale furniture.• Designing and making of actual scale prototype of folding/adjustable furniture for residential use.	
REFERENCE BOOK:-		
	<ul style="list-style-type: none">• "Designing furniture from concept to shop drawing: a practical guide" by A fine woodworking Book• "1000 chairs" By Charlotte and Peter Fiell• "Making it" By Chris Lefteri• "DIY Furniture a step by step guide" Christopher Stuart• "Design your own furniture by" Woodworking books• "Furniture – word styles from classical to contemporary" by DK publishing, New York• "History of Modern Furniture Design" by Daniela Karasova	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - SIXTH SEMESTER

CODE	SUBJECT:- Professional Practice	MARKS
ID-603		100
AIM:-		
	This program incorporates the Interior professional practice employed in the management of the design process and construction of projects. The program is designed to enable students to develop awareness, knowledge, understanding and skills in the professional practice.	
CONTENT:-		
	Dignity and Integrity of Profession. Duties and Liabilities in Profession. Tenders. Contract and Problems Arising There from.	
METHODOLOGY:-		
	Theoretical explanation Interactive discussion and presentations on topics. Assignment based on theory portions.	
REFERENCE BOOK:-		
	"Professional practice" by Dr. Roshan H. Namavati	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR – SIXTH SEMESTER

CODE	SUBJECT	MARKS
ID-604	Final project orientation	100
AIM:-		
	<ul style="list-style-type: none">• Understanding methodological approach to carry out a research based programme• Design an interior for a (large scale) project involving a set of complex issues.	
CONTENT:-		
	<ul style="list-style-type: none">• Nature and function of research, scientific research, meaning of research in the field of interior design, pure and• Applied research Stages of research and design, design and research methodology• Techniques of data collection• Forms of research reporting, structure of a report• Writing skills, presentation aids• Use of primary and secondary references, bibliography, notation, cross references etc• Nature of an undergraduate thesis, its structure and other requirements	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Design and conceptual analysis of staff, site and activities that are going to happen in a particular space.	
REFERENCE BOOK:-		

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - SIXTH SEMESTER

CODE	SUBJECT	MARKS
ID-605	Landscape Design	100
AIM:-		
	<ul style="list-style-type: none">To understand Principles of Landscape design, its techniques and application. Understanding Ecology, Ecosystem, environmental conservation	
CONTENT:-		
	<ul style="list-style-type: none">Introduction to Landscape DesignImportance of LandscapeBroader Terms in LandscapeHistorical aspects and contemporary attitudesElements of Landscape Principles of landscape designCategories of Landscape:Design considerations using other elementsPlanting MaterialsLandscape Design Studio:	
METHODOLOGY:-		
	<ul style="list-style-type: none">Seminar, PresentationGroup study of plants at nursery.Site visit of the executed projects.Site typology for studio design exercise can be terrace garden, balcony, courtyard, mall or common small scale public spaces etc.	
REFERENCE BOOK:-		
	<ol style="list-style-type: none">Introduction to Landscape Architecture, Michael LaurieLandscape Graphics, Van Nostrand PublicationPlan Graphics, Van Nostrand PublicationTropical Garden, Plants Bose & Chaudhary.Trees of Delhi, A Field Guide, PradipKrishen	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - SIXTH SEMESTER

CODE	SUBJECT	MARKS
ID-606	Heritage & Conservation	100
AIM:-		
	To Develop awareness and sensitivity for the Conservation of historical monuments, buildings and its interiors.	
CONTENT:-		
	<ul style="list-style-type: none">• Introduction of the term Heritage & Conservation• Levels of Conservation: Introduction to Urban Conservation• Architectural and Interior Conservation Concept of Adaptive reuse• Case studies from India and abroad.	
METHODOLOGY:-		
	<ul style="list-style-type: none">• Case studies illustrations,<ul style="list-style-type: none">○ Assignments, presentation & class discussions giving broad understanding of the topic. Interior related conservation case study at small scale:○ E.g. Palaces of Rajasthan (UdayVillas), restored Pol houses.○ Heritage walk○ Expert lecture or visit to the expert office for conservation.• Students are asked to produce a submittal in form of graphical presentation at the end of each topic.	
REFERENCE BOOK:-		
	<ol style="list-style-type: none">1. Interior Finishes and Fittings for Historic Building Conservation, Elizabeth White, Michael Forsyth2. Old buildings, new forms, Francoise AstorgBollack3. Manual for Conservation Bernard Feilden4. Structural analysis of historic buildings, J.Stanley Rabun.5. Conservation of Historic Building Bernard Fielden6. Archeological Survey of India. [Online] http://asi.nic.in/.7. Orbasli, Aylin. Architectural conservation: Principles and Practices.	

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR - SEVENTH SEMESTER

CODE	SUBJECT	MARKS
ID-701	Office training	1200

AIM:-

The Office Training of sixteen week duration envisages varied experience in order to ensure exposure of a student to various tasks. The student will enroll in the institute by securing admission and paying fees for the fourth year B.ID on completion of third year B.ID. Student can prefer her/his Office Training [Apprenticeship] in any professional organization dealing in Architectural design, Interior design, Product design, Corporate in house design department, Modular furniture design etc. The student has to choose the office and get consent letter by the employer and the employer detail. The student will be issued a set of Log sheets. The student will fill the necessary information in Logbook the employer will initial / sign and authenticate the information filled by the student after every 4 weeks. The student will submit the Log sheet, copies of the drawings prepared, photographs of the work executed on site and the covering letter by the employer at the time of viva date declared by the university. At the end of the training period, student will have to procure a certificate of training and satisfactory performance from the concerned office in the prescribed format. Certificate of satisfactory completion of training same shall be submitted to the institute.

COMMON CURRICULUM OUTLINE 2016 -2017

BACHELOR OF INTERIOR DESIGN (B.ID)

THIRD YEAR – EIGHT SEMESTER

CODE	SUBJECT	MARKS
ID-801	Project Work	1200

AIM:-

Interior Design project is intended to evaluate the student's maturity in the design of interiors and should reflect the knowledge gained from all the courses undertaken by the student in the previous semesters. The student is expected to submit a proposal for a project of his choice for approval, to the project co-ordinator. The proposal must clearly indicate the scope of work, methodology, objectives and case studies. Live projects should be taken up, wherever possible. Periodic submissions must be made for review by the guide and a panel of internal examiners as per the schedule given by the co-ordinator. The final portfolio must contain comprehensive proposals for the interior supported by drawings, illustrations and models, which will be evaluated by a panel of external examiners. The client may also participate as an examiner in case of real projects.

A student may also pursue research thesis program to complement the project proposal which will enable him to perform at a higher professional competence and developing an attitude towards research. The progress of the student is evaluated through interim reviews and a final viva voce. Student independently takes up one topic which might be analytical, software based, experimental or History.