

Shri Govind Guru University

(Established by Government of Gujarat Vide Gujarat Act no 24/2015)

SYLLABUS

FOR

B. Des.

Bachelor of Design (Interior Design)

2020-21

CURRICULUM

The Bachelor in Design program is run in close connection with the needs of built environment and society in today's context of economy, culture, history, humanities and sustainable environment. The students are encouraged and taught to play a pivotal role by taking them on a journey to understand design & its fundamental parameters inside out in order to become a part of the team that moulds our built environment.

The Design program is a Project Based Learning (PBL), taught in a studio environment. The curriculum is designed to give the students an experience that puts together an understanding of human environment, spatial quality in terms of design, light, color and texture, design technology, resources management, traditions, crafts and professional practices. Students will be trained to use different tools (from traditional to high-tech) in order to develop, express and execute their thoughts effectively. Diverse design methodologies are discussed and implemented in the studios. In the final semester students will be given a freedom to follow any process which was introduced to them earlier, or follow a new direction. Expert tutoring will be provided to each individual in the direction he / she wants to take.

The Context:

Our program also introduces and develop the skills and knowledge necessary for contemporary interior design practice which includes the following:

- Society and its historic context in different regions of India and beyond International influences and the evolving values of our society.
- Changing economy.
- Climate and its variation in different regions of India and beyond.
- Geological variations.
- Resources in terms of materials and skills.
- Art and craft of different regions.
- Increasing awareness of the environment.
- Changing role of profession.
- Ever-changing tools for thinking and expression.

Goals:

The curriculum aims to address and expose students to diverse ways of thinking, thought processes and research. Finding their direction towards the end of the program is essential to feel responsible and to establish their own identity. They would be encouraged to look within and find where they would like to fit in the Interior Design professional scenario.

THE PROGRAM SPECIFICALLY AIMS :

- To arrive at a critical balance between Aesthetics, Technology and Humanities for a well-rounded and ethical professional training.
- To develop a concern for environment, both natural and cultural, and the impact buildings have on them.
- To develop necessary confidence among students, firmly grounded in technical skills and an understanding of the social forces around us, to deal with rapidly changing demands of the profession.

Structure: “Learning by Doing” and “Research” remain the primary method of Interior Design training. Design studio sequence thus forms the main “spine” of the curriculum. This is being supported by five sets of “Body of Knowledge” courses in addition to a series of electives. These five sets are referred below (From 2 to 6)

1. **DESIGN STUDIO**
2. **TECTONICS** consisting of :
 - Understanding of building material, and construction
 - Structure: Understanding of forces and structure of materials
 - Building Services.
3. **COMMUNICATIONS** consisting of :
 - Visual Communication.
 - Technical Drawings.
 - Architectural computing and Graphics.
 - Verbal Communication and Presentation:
4. **HUMANITIES & HISTORY AND THEORY** consisting of :
 - Culture and Built form
 - History of Design
 - Theories and trends in Design.
5. **PRACTICE OF ARCHITECTURE** consisting of :
 - Professional Practice and Ethic.
 - Cost estimation.
 - Specification and Quality Controls.
 - Project Management.
 - Design practice management
6. **ENVIRONMENTAL SCIENCES** consisting of :

- Climatology.
- Built form for comfort in different climatic regions. Historic reference.
- Alternative technologies for sustainable environment.
- Methods for sustainable environment.

Course and its Structure:

The course is of 4 years – 8 semester - duration. Each semester is of approx. 16 weeks and carries a load of 24 credits, where 1 credit is equivalent to 1 lecture hour/week in theory subjects and 1.5 contact hours for studio, workshops and laboratory base courses. Each semester consists of a maximum of 8 courses including Design studio. The accompanying chart shows the distribution of courses and credits for each. In all each student has to earn a total of 192 credit and take part in a minimum of two Study Tours (RSP) to be eligible for the award of the degree of B. Design

Special programs would be offered from time to time, to clear the backlog, as taking additional load over and above 24 credits would be difficult. Programs in summer could both be core or non-core.

Evaluation and assessment:

Student's performance is continuously evaluated through programs, projects, tests, quizzes and periodic assessments of sessional work. In the final semester end assessment, this continuous assessment is given 60% weight which is internal and 40% weight is assigned to end of semester examinations, Juries, crits, assignments or papers which are external

In order to successfully clear, and earn credits for, a course a student must obtain at least 50% performance level for that course.

The work of students will be awarded grades on the basis of "Grade-point average". Each grade represents a level of performance as indicated below.

AA 96 TO 100

AB 86 TO 95

BB 76 TO 85

BC 66 TO 75

CC 56 TO 65

CD 50 TO 55

LESS THAN 50 IS FAIL

F 45% or less (to repeat)

Incomplete - During the continuous assessment throughout the semester, if a student has acquired an average of any one of the seven grades (AA, AB, BB, BC, CC or CD) but, due to his/her inability to satisfactorily complete the work at the final stage, is likely to be in the next lower grade. Such students are given reasonable extra time to complete the work.

Due to reasons outside the control of a student (sickness etc.), s/he is unable to complete the work, reasonable extra time may be given at the discretion of the teacher, to complete the work and the above will not apply.

4 Year Full -Time , Bachelor of Design Programme

Year/Semester	DESIGN STUDIO	TECTONICS	HUMANITIES	COMMUNICATION	PROF. PRACTICE	ENVIRONMENT STUDY	ELECTIVES	TOTAL CREDITS	
	Core	Core	Non-Core	Non-Core	Non-Core	Non-Core		Per Semester	
Year 1 - Semester 1	4 + 4	4 + 2	2	3 + 3	0	0	2	24	
Year 1 - Semester 2	4 + 4	4 + 2	2	3 + 3	0	0	2	24	
Year 2 - Semester 3	8	4	2	2 + 2 + 2	0	2	2	24	
Year 1 - Semester 4	8	4 + 2	2	2 + 2	0	2	2	24	
Year 3 - Semester 5	8	4 + 2	3 + 3	2	0	0	2	24	
Year 3 - Semester 6	8	4 + 3	3	2	2	0	2	24	
Year 4 - Semester 7	12	4	3	3	0	0	2	24	
Year 4 - Semester 8	20	0	0	1	3	0	0	24	
Related Study Program							2 X 2	4	
							TOTAL	196	CREDITS

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SEMESTER ONE

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
DESIGN		
DES0101	Studio-1 (Space Making)	4
DES0102	Basic Design-1	4
TECTONICS		
TE0101	Material and Construction technology – 1	4
TE0102	Fundamental of structure - 1	2
HUMANITIES		
HU0101	History and Theory of Architecture-1	2
COMMUNICATION		
COM0101	Free Hand Drawing/Sketching-1	3
COM0102	Technical Representation Drawing(TRD) -1	3
ENVIRONMENTAL STUDIES		0
ELECTIVES		
	Ref list (two in no.)	2
RELATED STUDY PROGRAMS (RSP)		0
TOTAL CREDITS =		24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0101 Design Studio 1 (Making of Space)

CREDIT - 4

COURSE NO. DES 0102 Basic Design-1

CREDIT - 4

Core course: Project based

Emphasis: Enquiry into making of space through its elements,
Understanding of form and its transformations
Introduction to basic principles of 'what is design?'

Content:

- Understanding vocabulary of space -making with its basic elements [method 01]
- Study of Basic Form by applying actions of everyday life
- Working with different materials, skill development and understanding spatiality in a given form and its representation in 2D
- Understanding functioning of an instrument and its graphical representation , reconstructing its meaning of abstract expression in innovative materials [realistic to abstraction 3D]

Method: Drawing, Model making, Sketching, Photography

TECTONICS

COURSE NO. TE0101 Construction Technology - 1

CREDIT - 4

Materials , theory of Construction

Core course: Lecture based.

Emphasis: An overview of various materials such as Bricks, Stones, Concrete Blocks, Mud Blocks and Understanding of basic principles of construction and simple elements of buildings and their behavior.

Content:

- An overview of basic materials of construction.
- Their properties and peculiarities.
- An overview of principles behind interfacing different materials.

Method: Class discussions with case studies, visual presentation and on site studies.

Building Construction Drawing & Practical

Core course: Practical based.

Emphasis: Understanding of how building elements are put together through drawing.

Content:

- Basic systems of construction through case studies.
- Learning to record how different elements of building come together.
- Learning to handle and build some basic construction

Method : Class discussions with case studies, drawing, visual presentation and on site studies.

COURSE NO. TE003

Fundamentals of Structures – 1

CREDIT - 2

Core course: Lecture, research and laboratory based.

Emphasis: Basic structural systems in response to the forces of nature acting upon buildings.

Content:

- Structural understanding of natural forms and their relationship with Man-made forms.
- Understanding basic forces with reference to form
- Study of structures through models and testing them for given load.

Method: Class presentation/discussions with complemented with models and on site studies.

Focus: Developing an intuitive understanding of structures

HUMANITIES

COURSE NO. HU0161 History and Theory of Architecture-1 (Role of Design in Society)CREDIT - 2

Non - core course: Lecture and research based.

Emphasis: Design as means of expression of collective in the historical context through
Architecture as a medium of message

Content:

- Design as symbolic expression of society through history
- Comparative studies of civilizations to understand the means of expression through design and Architecture [Indian and world]
- Understanding attributes which affect fundamental query in design , the way societies behave in the built environment
- Case Studies and study of similarities and differentiations

Method: Class presentations, project work, group studies.

Comparative analysis of different cultures and their expressions.

COMMUNICATION

COURSE NO. COM0101 Free Hand Drawing/Sketching-1

CREDIT - 3

Non - core course: Project based.

Emphasis: To develop skills of recording and understand tools for expression

Content:

- Visual and perceptual skills.
- Observation and expression
- Expression through drawings

Method: Two dimensional exercises. On Field Sketching, Object drawing, building drawing in different mediums.

COURSE NO. COM0102 Technical Representation Drawing(TRD) -1

CREDIT - 3

Non-core course: Project based

Emphasis: Importance of technical drawings as medium of communication as basic vocabulary in architecture. Learning skills and techniques to think and represent elements of design through 2D and 3D geometry. To develop understanding of three dimensional objects.

Content:

- Getting acquainted with necessary instruments of drawing. Learning to draw straight and curve lines with different qualities.
- Descriptive Geometry, study of reference planes.
- Meaning of terms "Plan" and "Elevation" and using them for drawing simple objects through orthographic projections of lines, planes and solids.
- Methods of drawing views of simple 3D shapes and their projections.
- Sections of simple geometric solids and their combinations
- Complex 3D shapes and their projections
- Representation through technical drawings

Method: Two dimensional and three dimensional exercises. Orthogonal projection through drawings

SEMESTER TWO

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
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DESIGN

DES0103	Studio 2 (Space Making)	4
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DES0104	Basic Design - 2	4
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TECTONICS

TE0103	Material and Construction Technology – 2	4
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TE0104	Fundamentals of Structure – 2	2
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HUMANITIES

HU0102	History and Theory of Architecture - 2	2
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COMMUNICATION

COM0103	Free Hand Drawing/Sketching-1	3
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COM0104	Tech. Drawings and intro to computing - 2	3
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ENVIRONMENTAL STUDIES		0
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ELECTIVES

Ref list		2
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RELATED STUDY PROGRAMS (RSP)		0
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TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0103 **Studio 2 (Space Making)** **CREDIT - 4**

COURSE NO. DES0104 **Basic Design - 2** **CREDIT - 4**

Core courses: Project based

Emphasis: Understanding behavior of space and form through transformations applied
Organizing and structuring of space in a given context and develop design language through rule base system

Content:

- Ability to see abstraction in a corporeal form of a building.
- Learning to disintegrate space- form and reassemble with a meaning
- Responding to the historical form and space to add meaning to the given program
- Understanding the meaning of term "structure" as organizing principle in a form.
- Looking at Structure as an order to establish relationship with exploration of different materials
- Evolving Spatial ordering with basic elements in a programmatic context
- Developing analytical techniques, Interpreting basic brief, Drawing and rendering skills and Anthropometric studies through characterizing of a space
- Learning by seeing -through observation and its expression, direct and abstract in different media [2D and 3D]
- Understanding program of spatiality through rule based system [method 02]
- Understanding Scale in relation with the context established

Method: Projects involving combinations of various spaces. Simple spatial organizations
3D modeling and sketching. Area diagram, Principles of abstraction. Site-Location-form-landscape correlation.

TECTONICS

COURSE NO. TE0103 **Construction Technology – 2** **CREDIT - 4**

Core course: Lecture based.

Emphasis: Understanding of elements of construction and constructional systems in Load Bearing Constructions

Content:

- Walls, floors, roofs using simple materials and simple construction systems. Openings in walls and floors using Timber as the Core Material.
- Using load bearing unit as a spanning element.
- Variations of load bearing materials and their appropriateness.
- Case studies of Timber Constructions.

Method: Class discussions with case studies, visual presentation and on site studies.

Building Construction Dwgs and Practical

Core course: Project based.

Emphasis: Understanding of elements of construction and constructional systems in Load Bearing Constructions.

Content:

- Learning to draw and document Timber Construction details.
- Understand load bearing elements such as walls, connection between walls of same and different types, opening in the wall, spanning element such as floor or roof, stairs etc.
- Case studies illustrating above principles.

Method: Simple assignments requiring drawings and model making with Timber.

COURSE NO. TE0104 Fundamentals of Structures – 2

CREDIT - 2

Non-Core course: Lecture, research and laboratory based.

Emphasis: Basic structural systems

Content:

- Introduction to basic structural systems such as post-beam, bearing wall systems, trusses, rigid frames etc. and their structural behavior. Distribution of load through elements of the systems.
- Simple geometric forms and their structural behavior.
- Working out structural systems and their layout for small buildings.

Method : Class presentation/discussions complemented with models and on site studies.

HUMANITIES

COURSE NO. HU0102 History and Theory of Architecture-2

CREDIT-2

Non-Core course: Lecture and research based.

Emphasis: Attributes of Design in history : A Comparative Study

Content:

- Understanding attributes of design which saw expressions in history through transformation in nature, built form, management of micro environment, systems, events, religion, socio-political system, construction technology, etc.
- Understanding worldview and expression of societies as meanings
- Case Studies and comparative learning

Method : Lectures (illustrated with slides) supplemented with student's assignments and presentations.

COMMUNICATION

COURSE NO. COM0103

Free Hand Drawing/Sketching-1

CREDIT- 3

Non-Core course: Project based.

Emphasis: Development of skills of design and design expression.

Content:

- Complex skills of Observation, design and expression.
- Human figure studies in line, shade and sculptural mass.
- Exploration of color
- Exploration of sketching tools
- Gaining understanding of a place by physical occupation and extensive sketching

Method : Two dimensional exercises exploring various complex objects.

COURSE NO. COM0104 Tech. Drawings and intro to computing - 2

CREDIT - 3

Non-Core course: Drawing based.

- This course is in two parts.

Emphasis: . Representing objects through 2D and 3D geometry.

PART ONE:

- Sciography and methods of representing it in 2D projections.
- Applying Sciography in 3D geometrical projections especially isometric projections
- Perspective and relatively realistic representations. Introduction to concepts such as station point, picture plane, eye level, center of vision, cone of vision, vanishing point etc.
- One point and two point perspectives.
- Surface development of solid forms.

PART TWO: COMPUTER AIDED DRAWING : 2D COMPOSITION

- Software skill development – Learning Sketch up software.
- Diagrammatic Construction with representation of distance, scale, proportion, symmetry, order, composition:
- 2D DRAWING
- Coordinate Space and metric, Geometric Primitives and Symbols, Object Properties, Basic Transformations absolute and referential, Editing, Segmentation by Color, layering and grouping, Printing / Plotting.

Method: Two dimensional and three dimensional exercises. Sketch, object and model making in Sketch up software.

Projects: Three dimensional products involving the above principles.

SEMESTER THREE

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
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DESIGN

DES0201	Studio - 3	8
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TECTONICS

TE0201	Construction Technology - 3	4
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HUMANITIES

HS0201	History and theory of Architecture/Design - 3	2
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COMMUNICATION

COM0201	Computing - 1	2
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COM0202	Study of elements [Colors, Fabric, etc.]	2
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COM0203	Craft workshop - 1	2
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ENVIRONMENTAL STUDIES

ENV0201	Environmental Science - 1	2
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ELECTIVES

Ref list		2
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RELATED STUDY PROGRAMS (RSP)		0
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TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0201

Studio 3 (Space Design for Living)

CREDIT - 8

Core courses: Project based

Emphasis: Understanding different thought processes in design like Abstraction.

Content:

- The design process is approached through 3 parts.

PART 1 :

- A short exercise in understanding principles of anthropometrics.

PART 2 :

- The focus of this studio unit is on design as a process of exploration, integration, and synthesis;
- Design studies explore concepts of purpose and place, the public-private interface, socio-cultural context and of form and structure and
- Creative and analytical skills are developed through studies in abstraction, interpretation, and synthesis.

PART 3 :

- The process of abstraction and learning from previous exercises are taken forward in the design exploration of a medium scale house interior.
- Develop an understanding of the environment and its influence on the built form.

Method:

Project-based learning is undertaken in a studio environment.

TECTONICS

COURSE NO: TE0201

Construction Technology - 3

CREDIT - 4

Core course: Lecture and research based.

Emphasis: Understanding timber, steel and other light weight construction systems

Content:

- Understanding light weight (load bearing and non load bearing) construction materials and construction techniques;
- Walls, floors, roofs using simple materials and simple construction systems. Openings in walls and floors;
- Prefabrication and assembly, structure and skin relationship and
- Exploration of composite materials.

Method:

Make samples of walls and floor in full scale.

Building Construction Dwgs and Practical-3

Core course: Project based.

Emphasis: Understanding light weight construction systems

Content:

- Learning to draw and document light weight construction;
- Understand light weight (load bearing and non load bearing) construction;
- Prefabrication systems and understanding of structure and skin and
- How to interface different materials and elements of building.

Method: Make samples of wall and floor in full scale.

HUMANITIES

Course No. HS0201 History and theory of Architecture/Design - 3

CREDIT - 2

Non-core course : Lecture and Research based.

Emphasis: Design through ages (an overview) Early Industrial Revolution.

Content:

- Understanding evolution of architecture and design through social, cultural and political factors- from Medieval to early Industrial Revolution period.
- Principles of form and space organization : analyzing building through ordering principles.
- Development of interior furnishings, focus on color, texture, material : looking at built-form from inside-out.
- Impact of economy on new building materials, combined with transformation of building systems and processes on building trade as a whole.
- Emphasis on understanding evolution of a new language of expression attuned to new conditions of living and societal change.

Method: Lectures illustrated with slides, supplemented with student assignment and presentations. Student assignments would be through analytical models, diagrammatic exploration, and presentations. Review of relevant literature is encouraged.

COMMUNICATION

COURSE NO. COM0201 Computing - 1

CREDIT - 2

Non-Core course: Lecture and laboratory based.

Emphasis: Learning basics of CAD

Content:

- Introduction to different software
- Basics of AutoCAD commands and 2D drawings
- Principles of digital composition, editing and drafting.
- Interface of CAD program and printer

Method: Supporting technology exercises with CAD programs

COURSE NO. COM0202 Study of elements [Colors, Fabric,etc.]

CREDIT - 2

Non-Core course: Lecture and laboratory based.

Emphasis: Understanding use, perception and application of color.

Content:

- Color Theory
- Understanding Colors

Method: through hands-on exercises and workshop based projects

Study of Fabric

Non-Core course: Lecture and Laboratory Based.

Emphasis: Understanding use, techniques and application of soft-construction

Content:

- Understanding fabrics through detailed study of their production and application

Method: Through market-surveys, site visits and sampling of products.

COURSE NO. COM0203 Craft Workshop - 1 (Bamboo)

CREDIT -2

Non – Core course: Workshop based.

Emphasis: To explore various building crafts and their techniques, technologies and skills in order to expand the scope of interior design using traditional knowledge.

Content:

- Understanding importance of local and indigenous building crafts in the field of interior architecture and design.
- Exposure to various materials and material properties through unique processes.
- Exploring scope for collaboration between craftsman and designer, in order to create a unique product through a common process.

Method: Hands on engagements with materials, under the guidance of craft experts over a dedicated time period.

ENVIRONMENTAL STUDIES

COURSE NO. ENV0201 ENVIRONMENTAL SCIENCE - 1

CREDIT - 2

Non-Core course: Lecture and Laboratory based.

Emphasis: Passive Solar Techniques

Contents:

- Introduction of Climate as a Context for designing;
- Detailed understanding of Sun, Wind, Light, Climatic analysis;
- Basics of building physics and
- Basics of Passive Solar strategies

Method: Existing building would be taken up by the whole class as a project for Passive Solar Renovation.

SEMESTER FOUR

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
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DESIGN

DES0202	Studio -4	8
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TECTONICS

TE0202	Construction Technology - 4	4
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TE0203	Object/ Furniture Design - 1	2
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HUMANITIES

HS0202	History and Theory of Architecture/Design - 4	2
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COMMUNICATION

COM0204	Computing - 2	2
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COM0205	Craft workshop - 2	2
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ENVIRONMENTAL STUDIES

ENV0202	Environmental science - 2	2
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ELECTIVES

Ref list		2
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RELATED STUDY PROGRAMS (RSP)		0
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TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0202

Studio - 4 (Space Design In Historical Context)

CREDIT - 8

Core course: RSP & Project based

Emphasis: Understanding different thought processes in design like Matrix.

Content:

- The studio begins with an RSP (including relevant documentation and presentation of site).
- The studio employs a distinct thought process such as " Matrix" , in order to address issues of Adaptive Reuse, within the constraints of the given site.
- Responses to brief requirements, site, structure and skin and materiality are investigated into design learning.
- Design studies explore concepts of purpose and place, the public-private interface, socio-cultural context and of form and structure and
- Creative and analytical skills are developed through studies in abstraction, interpretation, and synthesis.

Method :

The RSP demands a rigorous study of existing building and context through measure drawing, mapping, behavioural studies and skill based graphical representation (through software and manual drawings).

Following this, project based learning is undertaken in the studio environment.

TECTONICS

COURSE NO. TE0202

Construction Technology - 4

CREDIT - 4

Core course: Lecture and research based.

Emphasis: Understanding masonry construction

Content:

- Understand masonry materials characteristics and associated construction techniques and detailing;
- Dimensional understanding of different types of masonry materials;
- Appreciate the history of masonry construction;
- Demonstrate an awareness of the complexities and interrelationship between design, materials and construction;
- Select structural systems for medium to large scale buildings and
- Exploration of composite materials

Method: Earlier semester design project taken to higher resolution

Building Construction Dwgs and Practical

Core course: Project based.

Emphasis: Understanding masonry construction

Content:

- Learning to draw and document Masonry construction;
- Understand masonry (load bearing and non load bearing) construction;
- Openings and cutouts in masonry
- How to interface different materials and elements of building with masonry construction

Method: Earlier semester design project taken to higher resolution
Make samples of wall and floor in full scale

COURSE NO. TE0203 Furniture Design - 1

CREDIT - 2

Core course: Lecture, research and laboratory based.

Emphasis: Design and making of simple furniture

Content:

- Introduction to basic structural systems used in furniture,
- Understand live loads, their stresses and impact on the structure
- Understanding historic context
- Detailing for a Maintenance free structure.

Method: Class presentation/discussions complemented with models and real scale product.

HUMANITIES

Course No. HS0202 History and Theory of Architecture/Design - 4

CREDITS - 2

Non-core course: Lecture and Research based

Emphasis: Theories- Early to late Modern

Content:

- Exploring close relationships between technology and architecture (skin, structure and material)
- Emphasis on details, amalgamation of new materials, design of furniture and interior objects, and stylistic traits belonging to selected designers
- Significance of International style and emergence of multiplicity of approaches all over the world

- Understanding relationship of built-form with context –physical and cultural along with changes in attitude to living spaces and work places,
- Rise of critical regionalism and issues of changing cultural identity
- Co-relating parallel movements of art, philosophy , literature, fashion etc.

Method: Lectures illustrated with slides, supplemented with student assignment and presentations. Student assignments would be through analytical models, diagrammatic exploration, and presentations. Review of relevant literature is encouraged.

COMMUNICATION

COURSE NO. COM0204 Computing - 2

CREDIT - 2

Non-Core course: Lecture and laboratory based.

Emphasis: Introduction to 3D programs and Rhino software.

Content:

- Introduction to different 3D software
- Advanced AutoCAD commands and 2D drawings
- Presentation techniques on CAD

Method: Supporting studio and technology exercises with CAD programs

COUSE NO. COM0205 Craft Workshop - 2 (Timber)

CREDIT – 2

Non – Core course : Workshop based.

Emphasis: To explore various building crafts and their techniques, technologies and skills in order to expand the scope of interior design using traditional knowledge

Content:

- Understanding importance of local and indigenous building crafts in the field of interior architecture and design.
- Exposure to various materials and material properties through unique processes.
- Exploring scope for collaboration between craftsman and designer, in order to create a unique product through a common process.

Method: Hands on engagements with materials, under the guidance of craft experts over a dedicated time period.

ENVIRONMENTAL STUDIES

COURSE NO. ENV0202

ENVIRONMENTAL SCIENCE – 2

CREDIT - 2

Non-Core course: Lecture and Laboratory based.

Emphasis: SUSTAINABLE DEVELOPMENT

Contents:

- Advanced passive solar strategies
- Analysis of vernacular typologies and respective contemporary building
- Introduction to sustainability with an understanding of Day-light simulation, thermal control and micro climate generation
- Advanced passive solar strategies
- Analysis of vernacular typologies and respective contemporary building

Method: Existing building would be taken up by the whole class as a project for Passive Solar Renovation.

SEMESTER FIVE

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
DESIGN		
DES0301	Studio - 5	8
TECTONICS		
TE0301	Construction Technology - 5	4
TE0302	Object/ Furniture Design - 2	2
HUMANITIES		
HS0301	History and theory of Architecture/Design - 5	3
HS0302	Responsive Design	3
COMMUNICATION		
COM0301	Craft Workshop - 3	2
ELECTIVES		
	Ref list	2
RELATED STUDY PROGRAMS (RSP)		0

TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0301

Studio 5 (Space design for Retail)

CREDIT – 8

Course Course : Project based.

Emphasis: Understanding different thought processes in design.

Content :

- The focus on this studio unit is on exploring a distinct thought process like diagramming.
- Different interpretations of this process are explored.
- Responses to brief requirements, site, structure and skin, shelter and materiality are investigated and integrated into design learning.
- Class will be subdivided into groups to undertake study of different retail projects of given product.

- Emphasis of the studio is on understanding the product as display & the subject of display has been taken to the core level thinking of its brand & their design manifesto.

- Physicality is influenced and inspirations from brands of the product on the space as banner to brand & reflective of relative thought process of the evolution & history of the brand, rather take these as critical thinking to the design & conceptualization.

Method :

Project based learning is undertaken in a studio environment. Projects are generally of a medium complexity and small to medium scale.

TECTONICS

COURSE NO. TE0301

Construction Technology - 5

CREDIT - 4

Core course: Lecture and research based.

Emphasis: Surfaces and finishes

Content:

- Understanding different ways to construct interior surfaces for diverse uses.
- Materials and construction of surfaces like wall, ceiling, flooring etc.
- Materials for working surfaces of diverse type ie: office work area, kitchen, laboratory etc.
- Construction process to use different materials for diverse surfaces.
- Finishes for different surfaces.
- Learn to judge the quality of surface by understanding its construction process, ie: Carpet weave, Fabric quality for curtains, Types of polishes on diverse stone surfaces etc, tupe of render on internal and external surfaces
- Learn to draw and represent each type of construction/surface which is explored in this subject.

Method: Hands on projects with site experience and drawing.

Building services

Core course: lecture based program

Emphasis: Water supply and drainage systems

Content:

- Water supply to different scale buildings
- Distribution and layout systems related to different pressures
- Campus scale distribution systems
- Fixtures and fittings, their interface with finishes
- Drainage systems at localized and large scale. Understanding the principles of layout
- Drainage where public services are not available, including alternative technologies
- Fixtures and fittings, their interface with structure and finishes

Method: Site studies and physically handling the joints and junctions and fixtures

COURSE NO. TE0302

Object/ Furniture Design - 2

CREDIT - 2

Core course: Lecture, research and laboratory based.

Emphasis: Furniture Design

HUMANITIES

COURSE NO HS0301

History and theory of Architecture/Design - 5

CREDIT - 3

Non-Core course: Lecture and research based.

Emphasis: Trends in Contemporary Practices in Design

Content:

- To study changing trends worldwide in design
- To understand impact of technology and innovative materials on design of spaces
- To study mass media and communication in design
- Comparative study

Method : Lectures (illustrated with slides) supplemented with student's assignments and presentations.

COURSE NO. HS0302 Responsive Design

CREDIT - 3

Non-Core course: Lecture and Laboratory based.

Emphasis: Role of Built Environment/Context

Contents:

- Understanding the contextual aspect of design [Natural Landscape, city, neighbourhood, urban block, building, open spaces, etc.]
- Implications of varying scales of applicability and impact on design [spatiality, programmatic spaces, functions, craft and technology, material, colour, texture, graphics, lighting, services, etc.]
- The communication between design and its context [through landscape, urban elements, art installation, program, etc.]

COMMUNICATION

COURSE NO. COM0301 Craft Workshop - 3 (Metal)

CREDIT – 2

Non – Core course : Workshop based.

Emphasis: To explore various building crafts and their techniques, technologies and skills in order to expand the scope of interior design using traditional knowledge

Content:

- Understanding importance of local and indigenous building crafts in the field of interior architecture and design.
- Exposure to various materials and material properties through unique processes.
- Exploring scope for collaboration between craftsperson and designer, in order to create a unique product through a common process.

Method: Hands on engagements with materials, under the guidance of craft experts over a dedicated time period.

SEMESTER SIX

PROGRAM IN DESIGN (INTERIOR)

Course No.	Course Name	Credits
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DESIGN

DE0302	Studio - 6	8
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TECTONICS

TE0303	Working Drawings	4
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TE0304	Object/Furniture Design - 3	3
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PROF. PRACTICE

PP0301	Professional Practice - 1	2
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HUMANITIES

HS 303	History and theory of Interior Design - 6	3
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ELECTIVES

COM0302	Craft Workshop - 4	2
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	Ref list	2
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RELATED STUDY PROGRAMS (RSP)		0
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TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DE0302 Studio 6 (Theater Stage Design)

CREDIT - 8

Core courses: Project based

Emphasis: Develop the Design with emphasis to a particular process of designing.

Content:

This Studio will be the first where students are allowed to choose the process and select the faculty accordingly. The project however will be the same for the class. Projects would involve complex brief of a medium to large scale building

In this studio environment students have to:

- Demonstrate that they can respond to experimental and Complex brief.
- Work effectively in an intensive team environment.
- Select with reasons a process of thinking and
- Demonstrate that they can integrate all the knowledge, technical as well as theoretical, that they have attained in the last four years, towards the final design.

Method: Analysis and Project based learning is undertaken in a

TECTONICS

COURSE NO. TE0303

Working Drawings

CREDIT - 4

Core course : Studio based

Emphasis: Taking studio project to higher resolution

Content:

- Understanding relationship between part and whole in a building
- Interface of different building elements and materials
- Dimensional understanding
- Tolerance factors and their dimensional understanding
- Co-ordination of different building elements, finishes and services
- Communication system between architect, consultants and site
- Building code

Method : Earlier semester design project taken to higher resolution

COURSE NO. TE0304

Object/Furniture Design - 3

CREDIT - 3

Core course: lecture based program

Emphasis: Furniture Design

PROFESSIONAL PRACTICE

COURSE NO. PP0301

Professional Practice-1

CREDIT - 2

Non-Core course: Site visits and Lecture based program

Emphasis: Introduction to Professional practice

Content:

- Architect's / Interior Designer's responsibilities in the building industry.
- Ethics and social responsibilities.
- Understanding basic structure of an architectural practice and
- Process of putting an idea into reality in architecture.

Method: Visiting and observing different scale architectural practices.

HUMANITIES

COURSE NO. HS0303

History and Theory of Interior Design- 6

CREDIT - 3

Non-Core course: Lecture and research based.

Emphasis: Study of elements [Fixed and movable] in Design of spaces in history [Styles, etc.]

Content:

- The development of furniture and interiors in various epochs, ranging from Egypt to post modernism, with frequent references to non European cultures To understand the dynamics of 'material' in 'space', with reference to personalized living spaces.
- Changing form in shape of elements and furniture with change in material and technology
- Comparative study

Method: Lectures (illustrated with slides) supplemented with student's assignments and presentations.

COMMUNICATION

COURSE NO. CW 302 Craft Workshop – 4 (Stone)

CREDIT - 2

Non – Core course : Workshop based.

Emphasis: To explore various building crafts and their techniques, technologies and skills in order to expand the scope of interior design using traditional knowledge

Content:

- Understanding importance of local and indigenous building crafts in the field of interior architecture and design.
- Exposure to various materials and material properties through unique processes.
- Exploring scope for collaboration between craftsman and designer, in order to create a unique product through a common process.

Method: Hands on engagements with materials, under the guidance of craft experts over a dedicated time period.

SEMESTER SEVEN

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
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DESIGN

DES0401	Studio -7	12
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TECTONICS

TE0401	Object/Furniture Design - 4	4
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HUMANITIES

HS0401	Pre Thesis	3
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COMMUNICATION

COM0401	Craft Workshop - 5	3
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ELECTIVE

	Ref list	2
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TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0401 Studio 7 (Corporate Office)

CREDIT - 12

Emphasis: Interior layout of Corporate Office in a given context.

Content:

- Space planning decisions.
- Physical conception and Corporate culture.
- Conceptual exploration.
- Application of working method.
- Modular systems of office furniture.
- Coordinating layers of flooring, furniture, false ceiling.
- Integrating services such as HVAC, Electrical, plumbing and sanitation.
- Economy of space and construction cost.

Method: Project based learning is undertaken in a studio environment

TECTONICS

COURSE NO. TE0401 Object/Furniture Design – 4

CREDIT - 4

Core course : Lecture and research based.

Emphasis: Furniture Design

HUMANITIES

COURSE NO. HS0401 Pre Thesis

CREDIT - 3

Non-Core course: Research based.

Emphasis : Formulating a research query and delineating a research method in order to successfully carry out study in Thesis semester

Content:

- Exploration and finalization of area of interest and research scope
- Identification of core issues, and research topic, by formulating query . Testing of methods to further explore research query , and arrive at research stage to be taken further in Thesis semester.
- Identification of category of research(Research, Research + Design, Research+ Prototyping, Documentation + Analysis)

- Discussions leading to finalization of appropriate Guide, and approval by Monitoring Committee
- Emphasis on various formats of presentation, literature review, citation and writing . Clarity in compiling research proposal, chapterization , and bibliography.

COMMUNICATION

COURSE NO. COM0401

Craft Workshop - 5(Textile)

CREDIT - 2

Non – Core course : Workshop based.

Emphasis: To explore various building crafts and their techniques, technologies and skills in order to expand the scope of interior design using traditional knowledge

Content:

- Understanding importance of local and indigenous building crafts in the field of interior architecture and design.
- Exposure to various materials and material properties through unique processes.
- Exploring scope for collaboration between craftsperson and designer, in order to create a unique product through a common process.

Method: Hands on engagements with materials, under the guidance of craft experts over a dedicated time period.

SEMESTER EIGHT

PROGRAM IN DESIGN (INTERIOR)

COURSE NO.	COURSE NAME	CREDITS
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DESIGN

DES0402	Studio-8 Thesis	20
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PROFESSIONAL PRACTICE

PP0401	Professional Practice - 1	3
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COMMUNICATION

COM0402	Portfolio	1
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TOTAL CREDITS = 24

Duration 15 + 1 weeks

DESIGN

COURSE NO. DES0402

Studio-8 Thesis

CREDIT 20

PROFESSIONAL PRACTICE

COURSE NO. PP0401

Entrepreneurship

CREDIT - 3

Non-Core course: Lecture and computer lab based.

Content:

- Introduction to Entrepreneurship
- Project Finance
- Bidding process
- Basics of Accounting
- Basics of Procurements

COMMUNICATION

COURSE NO. COM0402

Portfolio

CREDIT - 1

Core course: learn to promote oneself.

Emphasis : Compilation of academic projects of previous semesters and presentation as a portfolio

Content:

- Editing , compiling and presenting drawings and data in a presentable format
- Documentation of academic work in a systematic manner
- Portfolio design and presentation as per future requirements of applications to higher studies or practices