

II YEAR - III SEMESTER

3AC19 SPACE PLANNING WORKSHOP - I	CREDIT 5	YEAR II	SEM III	TEACHING HOUR PER WEEK : 9 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

- *Space making in order to understand elements and organisation.
- *Visual perception of Interior Spaces through architectural elements - linear and planner elements.

CONTENT(Information Base)

- *Elements of enclosed form - combinations, resultant configurations and character.
- *Organisational types and their corelation to linkage, types of routes and movement.
- *Qualitative and quantitative aspects of space through case study and design exercises.

Design Issues

- *Efficiency in space planning.
- *Qualitative aspects and relationships of spaces, seats of space for movement.

Skills

- *Modulation of space and form, organizational character suited to functional's.
- *Exploring design process through sketches, drawings and models.
- *Analysis of existing space - built form.

Projects at 2 levels

- 1st Exercise *to understand elements and their relationships
 *emphasis on light, movement and ventilation in space planning.

- 2nd exercise *information - data collection
 *survey and analysis of existing space
 *qualitative aspects of space through design exercise
 *enclosure + space + interior.

3PC15 FURNITURE DESIGN - I	CREDIT 3	YEAR II	SEM III	TEACHING HOUR PER WEEK : 6 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

- *Way of analysing furniture forms and designing furniture forms scientifically based on ergonomics, materials design and working parameters and visual perception of furniture as a single form and as a system in a given interior space.

CONTENT

- *Analysis of existing piece of furniture in its functional aspects, technical aspects, skills required, materials and properties, bio-mechanical factors and ergonomical considerations, aesthetic considerations and backaging, transportation and economical factors considerations. *Measure drawing of a piece of furniture - plan, elevations and details drawings on full scale.

- *Design of a simple object having some moving components - folding stool. Full size drawings and full size prototype of the design object. *History of Furniture form early days to industrial revolution.

3GC09 GRAPHIC DESIGN - I	CREDIT 3	YEAR II	SEM III	TEACHING HOUR PER WEEK : 6 HRS	EVALUATION Percentage	
					<i>Int</i> 60	<i>Exam</i> 40

EMPHASIS

- *Visual perception of FORMS, PATTERNS and DESIGN. Forms as entity, individuals, identity and beauty.
- *Plotting, manipulation, variations and their visual evaluate by computer modeling.

CONTENT

- *Search for forms through "Geometry - Grid" as Base, develop variations in Grid, superimposing grids and evolve new forms using grid as base or guideline. *Search for Grid or Grids in nature, and understand Natural Forms.
- *Variations in forms, repeats of forms and developing patterns.
- *Natural form as motif and its application in various surfaces, elements and products of interior spaces.
- *Art/craft forms of various culture, religious and traditions in Graphic Design, there by reflecting them into interior spaces.

3AT10 BUILDING MATERIALS & METHODS OF CONSTRUCTION-III	CREDIT 2	YEAR II	SEM III	TEACHING HOUR PER WEEK : 3 HRS	EVALUATION Percentage	
					<i>Int</i> 60	<i>Exam</i> 40

EMPHASIS

- *Study of vertical & horizontal planes / surfaces like partitions and false ceilings.
- *How much this elements satisfy anthropometrically.
- *Studying different systems.

CONTENT

- *Case study of elements like partitions & false ceilings.
- *Study about the places where these partitions are installed.
- *Designing a place using these partitions and false ceilings.

3AT07 INTERIOR SERVICES- I (LIGHTING)	CREDIT 2	YEAR II	SEM III	TEACHING HOUR PER WEEK : 2 HRS	EVALUATION Percentage	
					<i>Int</i> 60	<i>Exam</i> 40

EMPHASIS

- *Light as theory and application to building design, especially major element in creating `models' in interior spaces. *Knowledge of various products for lighting device available in market.

CONTENT

- *Lighting in buildings, light and its sources, lighting criteria, the visual field, day lighting, prediction method.
- *Artificial lighting levels for various activities, calculation for lighting levels.
- *Electric layouts, science of wire distribution, control panels, switches, types of wiring, wiring for heating/cooling, ducting system and conduits.
- *Switches as product available in market, light as product available in market - tube lights, beam lights, wall lights, night lights.
- *Project drawings for residence, flats, commercial and institutional building.

3AS17 HISTORY - III (HISTORY & THEORY OF DESIGN)	CREDIT 2	YEAR II	SEM III	TEACHING HOUR PER WEEK : 2 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**How an investigation in the historical imperatives in relation with design can be turned into an aid to the design process - Typological rather than periodic or stylistic approach to history of design.*

CONTENT

**Introduction to various fields of designs and its correlation and integration with developments in architecture, plastic arts and technology.*

**Demonstration of identifying "Landmark Events" in the history of international design movement.*

**Discussion on foundation of the theoretical basis to all present day Design Disciplines.*

**Historical development of Artifact, object or -a system of objects, -a micro environment, design related skills, service or activity, -design related materials/production method, -design related cognitive learning or instinct i.e. pattern making, or perception of visual forms. -design related perception phenomenon (style, styling, symbolism).*

3PK07 METAL WORKSHOP	CREDIT 3	YEAR II	SEM III	TEACHING HOUR PER WEEK : 6 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Comparative analysis of various metals and their design parameters. Learning should be by feel and working with metals to explore design.*

CONTENT

**Types of metals, properties of metals, definitions of terms with reference to properties and uses of metals, various methods of working with metals, fixing and joinery in metals, finishing and treatment of metals, finishes on metals, standard specifications.*

**Metals in 'Built form' activity - horizontal, vertical and inclined surfaces - in interior environment elements - products and furniture forms - doors, windows, jalties, railing, stairs, etc. *Metals and other materials - forms and joinery.*

3GT03 COMPUTER GRAPHIC - I (DIGITAL TECHNOLOGY-I)	CREDIT 2	YEAR II	SEM III	TEACHING HOUR PER WEEK : 4 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Computer Graphics as a tool for design development.*

**Computer as a tool in visual perception of Interior Spaces.*

**Computer a tool in development colour, texture and lighting devices for Interior Spaces.*

CONTENT

**Learning Basic Language and basic operations to draw plans, elevations and 3-D views.*

**Develop experience through space in time by series of perspective views.*

**Design of spaces for display and Graphics as a space maker.*

**Developing 'Motif', learning understanding of 'pattern making' with variations in colour there by learning its uses in Weaving, Textile, Flooring, Wall-paper patterns etc.*

3GT04 PHOTOGRAPHY - I	CREDIT 2	YEAR II	SEM III	TEACHING HOUR PER WEEK : 5 HRS	EVALUATION Percentage	
					<i>Int</i> 60	<i>Exam</i> 40

EMPHASIS

**Develop basic sense of visual perception for designers through observation, composition colour and light interaction, shades and shades and positive/negative space relationship.*

**Developing ability to see things, analyze them and express them in a strong visual form.*

CONTENT

**Basic knowledge of the medium by introduction to the basic principles of Photography, understanding of the camera, its various parts and introduction to darkroom processing and equipments. Major thrust area - Black & White due to available facility.*

**Introduction to different ideas and attitudes in the field of photography and understanding aspects involved in making the IDEA of meaning and composition.*

**Types of photography and its relationships with various fields - Architectural photography, fine arts photography, documentation photography, journalism photography and fashion design photography.*

**Photography: Photograms, chemograms, solarisation, low light photography, toning of prints, hand painting photographs, mixed media expressions.*

II YEAR - IV SEMESTER

4AC20 SPACE PLANNING - II	CREDIT 5	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 9 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**To develop basic design skills and understanding of nature of spaces, scales of space and space within a space.*

CONTENT

Information Base

**Study of given designed space, define and understand structure and elements.*

**Analysis of space, structure, form and proportion.*

Design Issues

**Division of space, order in space, principles of perception.*

**Interior space, surface, texture, colour, height, scale and proportion.*

**Services and linkages.*

**Form, function, furniture and space requirements in interiors.*

Skills - Design process - analysis, area study and interrelationships.

**Volumetric studies - abstract conceptual statements, models, basic drawings and sectional perspectives, 3-D drawings.*

Projects - In space within space correlation and designing of Interior Design of a small institution or group of design disciplines based on design issues.

4PC16 FURNITURE DESIGN - II	CREDIT 3	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 6 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Scientific way of designing two types furniture system - one for Storage element and second for Sitting element.*

**Knowing and understanding of various styles, systems and products available in market for these functions - through history and today's use.*

CONTENT

*(A)*History of 'Cabinets' and cabinet making in various culture - material, process, tools and technology, art & craft involved in making it and its various forms.*

**Functional analysis of storage systems and there by deriving types of cabinets needed for Interior Spaces.*

**Kitchen, cabinets, wardrobes, closets, book cases, show cases, display systems etc.*

**Modular approach to design. *Various materials, combination of materials and its application - design parameters and various form evolution. *Drawings - details and prototype.*

*(B)*Sitting element - single sitter, double sitter - twins, and three sitters.*

**History of chairs, design, and styles. Materials and technology analysis.*

**Design with wood, metal and combination of materials.*

**Drawings, details and prototype making.*

**Market survey of available products and economics of products.*

4GC10 GRAPHIC DESIGN - II	CREDIT 3	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 6 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Graphics as a space making element.*

CONTENT

- *Space transformation through graphics - use of linear patterns, planer patterns or solid forms.*
- *Graphics and its application by Architectural elements, on hard surfaces and soft surfaces.*
- *Colour, texture and material applications.*
- *Graphics for various functional spaces - commercial, institutional, restaurants, hotels etc.*
- *Graphics and communication systems. Letters forms, calligraphy, typography and signage system.*
- *Graphics and information organisation display boards, posters, book layouts etc.*

4AT11 BUILDING MATERIALS & METHODS OF CONSTRUCTION-IV	CREDIT 3	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 3 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

- *Study of any one service space like kitchens /pantry / toilets.*
- *How much do they satisfy anthropometrically.*
- *Also studying the elements existing in the kitchen and how much do they satisfy ergonomically.*

CONTENT

- *Case study of existing service spaces like kitchens in different places i.e. residential, apartment, restaurant, hospitals, etc.*
- *Design a kitchen satisfy the given requirements.*

4AT08 INTERIOR SERVICES - II (PLUMBING)	CREDIT 2	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 2 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Understanding of requirements of Building Services - water supply and drainage in building design.*

CONTENT

- *Requirements of water supply to various building sources of water, methods of conveyance of water, and water lines product materials.*
- *Water purification product availability in market.*
- *Drainage: Refuse, different forms of refuse garbage, soilage, toilet waste and storm - water and disposal system. General principles of drainage, and drainage lines.*
- *Connection to out-door drainage system, size requirements calculations, types of pipe available in market.*
- *Bathroom-Interior layouts, extensive market survey of product available, economies of products available, how to fix products with other finishing materials.*

4AS18 HISTORY - IV ART & CRAFT MOVEMENT	CREDIT 2	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 2 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Effects of Art and Craft movement in various fields of designs, design movements, styles, various schools of thoughts and design emphasis.*

**Art and craft movement and its relationship with technology.*

CONTENT

**An overview of the victorian, the Art Mouveau and the modern - through phylosophies of design, all compressed into little more than a country - were not only consecutive but connected.*

**Over view of Architecture, Interior Design, Industrial Design, Graphic Design and Photography.*

**Forces of industrialization in Europe, changes in social structure, production systems, changes in technology and its impact on life style, scientific thought and its impact on the arts and crafts.*

**The modern movement from Neo-classicism to the pioneers upto the more mature developments in the 1920s to 1940s, its impact on India.*

4PK09 WEAVING WORKSHOP	CREDIT 3	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 6 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**Scientific understanding of fabrics as soft interior element of design. Its various uses as art forms - wall hangings - upholstery forms, curtain and panel forms.*

CONTENT

**Introduction to fibers and yarns, table loom and floor loom, preparing warp, setting up loom for weaving. Basic weaves and their variations.*

**Variation in weaves and design quality, weaves as light controlling device, weaves and its quality for upholstery, curtains and floor coverings.*

**Rugs and Daries - motifs, design, patterns and colour variations.*

**Extensive market survey of available fabrics for interior spaces - product, specifications and manufacturers.*

4GT05 COMPUTER GRAPHIC-II (DIGITAL TECHNOLOGY-II)	CREDIT 2	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 4 HRS	EVALUATION Percentage	
					Int 60	Exam 40

EMPHASIS

**This part of the course further sharpens the skills of the students in generating 3-D views of all kinds, starting from isometrics to perspectives of basic solids to complicated spaces. The course uses AutoCAD 2000 as its principle software.*

CONTENT

Drawing tools: Extrude, Line, Pline, Arc, Circle, Ellipse, Text, Polygon, Hatch etc.

Editing tools: Extrude, Trim, Extend, Offset, Chamfer, Fillet, Pedit, Mirror, Copy, Stretch etc.

Display tools: Zoom, Pan, Regen, Dview, UCS (New / Move / Orthographic / Previous / Restore / World) etc.

Dimension tools: Horizontal, vertical, align, angular, radius, diameter, leader, variables, tolerance, center mark, override etc.

Layer tools: Make, new, on, off, freeze, thaw, lock, unlock, color, line-type, change, merge, isolate etc.

Setting tools: Units, limits, scale, object-snap, printing, configure etc.

4EL01 CANE / BAMBOO WORKSHOP (E) ELECTIVE COURSE	CREDIT 2	YEAR II	SEM IV	TEACHING HOUR PER WEEK : 4 HRS	EVALUATION Percentage
					100 % - Term Work

EMPHASIS

**To give exposure to materials, tools and techniques of making objects under master craftsman from society.*

CONTENT

**Understand material and tools by making objects which allow students to explore forms, surfaces, textures, and patterns. Explore different joinery, support conditions, and woven surfaces under trained experienced master craftsman. Also clear to communicate and establish dialogue between designed crafts skills.*