

ALLIED COURSES INTERIOR DESIGN & DECOR

SEMESTER:II	22UIDDA01: RESIDENTIAL SPACE PLANNING I	CREDIT:4
PART:III		HOURS:4

COURSE OBJECTIVES

Enable the students to

- 1) Understand the concept of space.
- 2) Learn to draw house plan.
- 3) Acquire knowledge on institutions supporting housing activities in the Country.
- 4) Develop skill to draft house plans for various income groups.
- 5) Gain knowledge on housing situation in India.

S. No.	CONTENT	No of Hours
Unit I	Housing – Selection of site and functions of house. Basic principles of planning a life space - Orientation, Grouping, Roominess, Lighting, Circulation, Storage Facilities and Privacy.	15
Unit II	Types of house plans – Site plan, Floor plan, Elevation, Cross section and Perspective view. Organizing space plan - One Room Apartment, Twin Houses, Row houses and Multistorey building	10
Unit III	Creating a life space- Factors in planning different rooms – Living Room, Bed Room, Dressing Room, Dining, Kitchen, Study Room, Store room, Bathroom, Utility space, Staircase and Verandah.	15
Unit IV	Types of Doors – Hinged, Sliding, Swing, Revolving, Panelled and Louvered; Windows – Casement, Pivoted, Sliding, Bay window and Clerestory.	10
Unit V	Arches – Segmental, Semicircular, Pointed, Horseshoe and Florentine. Roofs – Flat roofs – Madras Terrace and RCC Roof and Pitched roofs – Lean to, Couple roof, King post and Queen post.	10

COURSE OUTCOMES

- 1) Demonstrate knowledge of space designing and its principles
- 2) Understand the Basic principles of spatial lay out to create well designed residential floor plans
- 3) Apply client's needs to create effectively well-designed floor plans
- 4) Understand the factors that influence the buying, building or the renting of houses
- 5) Identify key issues in housing finance, affordability and technology systems.

Text Books

- 1) Arora.S.P and Bindra S.P, (2010), Building Construction, Delhi: Dhanpat Rai Publications, India.
- 2) Francis D. Ching (2020) Building construction illustrated, Wiley publishers
- 3) Bhavikatti, S.S and Chitawadgi, M.V, (2017), 'Building and Drawing', Hubli.publishers
- 4) Maureen Mitton, (2018), Interior Design Visual Presentation-A Guide to Graphics, Models and Presentation Techniques', New Jersey: John Wiley and Sons, USA.

Supplementary Readings

- 1) Inside Outside Magazine
- 2) <https://theconstructor.org/construction/project/basics-building-construction/25260/>
- 3) <https://www.civilgyan.com/basics-of-building-construction-process-step-by-step/>

OUTCOME MAPPING

COs	PO1	PO2	PO3	PO4	PO5
CO1	H	H	H	H	H
CO2	H	H	H	H	H
CO3	H	H	M	-	L
CO4	H	M	M	H	H
CO5	H	H	-	-	H

PO – Programme Outcome, CO – Course outcome

SEMESTER:I PART:III PRACTICAL – I	RESIDENTIAL SPACE PLANNING PRACTICALS 1	CREDIT:- HOURS:3
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COURSE OBJECTIVES

Enable the students to

- 1) Gain an understanding on tools and techniques of drafting.
- 2) Know to draw the isometric view of furniture.
- 3) Learn the different kinds of furniture arrangement.
- 4) Acquire knowledge in planning the room interiors.
- 5) Design floor plans with all necessary dimensions.

S. No	CONTENT	No of Hours
Unit I	Use of drawing instruments, Types of Lines used in engineering drawing, Lettering, Dimension and Use of Scales.	5
Unit II	Technical drawing - Isometric view of simple furniture – Table, Chair, Sofa, Dining table.	10
Unit III	Furniture arrangement of living room, bedroom, study room, dining and kitchen.	10
Unit IV	Understanding a building and its interiors in terms of plan, elevation and section.	10
Unit V	Floor plans for low-income, middle-income, and high-income group. Site plan and its features - Entry/Exit, Building layout, Pathways, Driveways, Parking lots and Landscape features. Create House plan according to Vastu elements.	10

COURSE OUTCOMES

- 1) Experiment with drafting tools and techniques.
- 2) Analyze different ways of arranging furniture in a given space.
- 3) Design of simple layout for rooms.
- 4) Understand the features of Site plan.
- 5) Examine the Vaastu aspects of a house.

Text Books

- 1) Arora.S.P and Bindra S.P, (2010), Building Construction, Delhi: Dhanpat Rai Publications, India.
- 2) Francis D. Ching (2020) Building construction illustrated, Wiley publishers
- 3) Bhavikatti, S.S and Chitawadgi, M.V, (2017), 'Building and Drawing', Hubli. publishers.

- 4) Maureen Mitton, (2018), Interior Design Visual Presentation-A Guide to Graphics, Models and Presentation Techniques', New Jersey: John Wiley and Sons, USA.
- 5) Kapil dev(2019) Engineering drawing, Asian publisher

Supplementary Readings

- 1) Inside Outside Magazine
- 2) <https://rskr.irimee.in/sites/default/files/Isometric%20Drawings.pdf>
- 3) <https://civilseek.com/isometric-drawing-projection/>

OUTCOME MAPPING

COs	PO1	PO2	PO3	PO4	PO5
CO1	H	H	H	H	H
CO2	H	H	H	H	H
CO3	H	H	M	L	L
CO4	M	M	M	-	-
CO5	H	-	M	-	H

PO – Programme Outcome, CO – Course outcome

SEMESTER:II PART:III	22UIDDA02: RESIDENTIAL SPACE PLANNING II	CREDIT:4 HOURS:4
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COURSE OBJECTIVES

Enable the students to

1. Understand the concept of life space and principles of planning
2. Acquire knowledge on institutions supporting housing activities in the Country.
3. Identify the methods of construction
4. Develop skill to draft house plans for various income groups.
5. Understand the financial concepts and byelaws supporting building construction.

S. NO	CONTENT	NO OF HOURS
Unit I	Factors influencing interior residential spaces - Biological needs, ecological concerns, cultural influences, Psychological effects – privacy, personal space, territoriality, crowding, planning a space – people, location and orientation, resources available, Planning objectives – utility, economy, beauty and character.	15
Unit II	Planning space- concept, components and methods - Concept of space planning – functions of house, owning Vs. renting, Factors considered in selection of site, principles of planning, Components of building - foundation, flooring, walls, ceiling and roof.	10
Unit III	Methods of construction-load bearing and framed structure, Levels of construction, Allocation of space for various activities – Social space, work space and private space.	10
Unit IV	Space plan - One Room Apartment, Twin Houses, Row houses and Multistorey flats. Floor plans for low, middle and high income group. Site plan and its features - Entry/Exit, Building layout, Pathways, Driveways, Parking lots and Landscape features. Vaastu House plan.	15
Unit V	Institutions supporting housing 15 Financial institutions - HDFC, HUDCO, Nationalised Bank and LIC, Research Institutions - NBO, CBRI, SERC, Standards Institutions – Need for standardisation, types of standards, BIS and its role.	10

PO – Programme Outcome, CO – Course outcome

SEMESTER:II PART:III PRACTICAL – I	22UIDDP02: RESIDENTIAL SPACE PLANNING PRACTICALS II	CREDIT:3 HOURS:3
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COURSE OBJECTIVES

- 1) Gain an understanding on tools and techniques of drafting.
- 2) Acquire knowledge in planning the room interiors.
- 3) Plan design for landscape area
- 4) Organize labour saving equipmen for various rooms.
- 5) Learn different types of kitchen

S. NO	CONTENT	NO OF HOURS
Unit I	Technical drawing - Isometric view of simple furniture – Table, Chair, Sofa, Dining table.	5
Unit II	Drafting -Symbols; standards used in drawing house plans, Drawing house plans for various income group – low, middle and high, Reading and judging house plans	10
Unit III	Land scape plan- layout,garden area, drive way, patio set, private public garden plan	10
Unit IV	Labour saving Equipment arrangement in living room, bedroom, study room, dining and kitchen.	10
Unit V	Kitchen Design- l shaped, u shaped, island.one wall/ galley kitchen	10

COURSE OUTCOMES

- 1) Experiment with drafting tools and techniques.
- 2) Analyze symbols, standards used in floor plan.
- 3) Design simple layout for landscape
- 4) Prioritize the area for labour saving equipment.
- 5) Examine the kinds of kitchen.

Text Books

- 1) Nancy wolford (2015) kitchen and bath design principles, Wiley publishers
- 2) Joseph Deciarra (2017) time saver standards for interior design and space planning, Mc grawhill education
- 3) Chris Grimley(2018) interior design specification, rock port publishers

Supplementary Readings

- 1) <https://www.smartdraw.com/landscape-design/>
- 2) Better homes and garden
- 3) <https://www.landscapingnetwork.com/landscape-design/plans.html>

OUTCOME MAPPING

COs	PO1	PO2	PO3	PO4	PO5
CO1	H	L	H	H	H
CO2	H	M	L	L	M
CO3	H	H	H	H	H
CO4	M	M	-	-	-
CO5	H	M	L	-	-

PO – Programme Outcome, CO – Course outcome