



School of Planning and Architecture: Vijayawada

(An institution of National Importance under the Ministry of Education, Govt. of India)

Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India

Department of Architecture

Course: B.Arch.

Subject Code: ARC422

Name- Urban Housing (Section - A and B)

Class: 4th Year B.Arch.
VIII Sem A.Y. 2023-24

Instructors:

Subject Instructors-

Dr. Prashanti Rao - Section-A

Dr. Amitava Sarkar - Section B

Internal Assessment: 50

End Semester Theory Exam: 50

Contact Periods/ week: 04 periods (55 min each)

Total Marks: 100

Time Table:

Monday and Thursday

Credits: 4

Attendance: Min
75%

Min. Passing Marks: As per the Academic
Ordinances for UG Courses

Objective- The course aims to expose the students of Architecture to housing in general and Indian housing scenario in particular, including agencies involved in the production of housing. To outline factors, aspects and standards related to housing. To inform about the various housing design typologies and the processes involves in housing project development. The objective is also to discuss about current issues in housing.

		LECTURE PLAN	
S.NO	DATE	TOPIC OF CLASS LECTURE & DISCUSSION	REMARKS
1	Week-1 (4 th Jan, 2024)	Housing and its importance in architecture, its relationship with neighborhood and city planning. Housing is a key vivid component of urban and rural settlements.	Discussion
2	Week-2 (9 th and 11 th Jan, 2024)	Housing scenario in a global context and Indian context - urban and rural. Housing need, demand, supply, and density.	Lecture and Discussion
3	Week-3 (18 th Jan, 2024)	Role of Master Plan in the shaping of residential precincts (Problems of housing in urban areas - informal housing, causative factors, and effects.)	Lecture and Discussion
4	Week-4 (22 nd and 25 th Jan, 2024)	Presentation on Masterplan in the shaping of residential precincts (Problems of housing in urban areas - informal housing, causative factors, and effects.)	Assignment-1 Presentation
5	Week-5 (29 th and 1 st Feb, 2024)	Housing schemes, National Housing and Habitat Policy, Housing agencies and their role in housing development.	Lecture and Discussion
6	Week 6 (5 th and 8 th Feb, 2024)	URDPFI guidelines, and relevant norms as per the National Building Code of India and as per Development Control Regulations.	Lecture and Discussion
7	Week-7 (10 th - 18 th Feb, 2024)	Study Tour	

8	Week-8 (19 th and 22 nd Feb, 2024)	URDPFI guidelines, and relevant norms as per the National Building Code of India and as per Development Control Regulations.	Lecture and Discussion
9	Week-9 (26 th Feb - 1 st March, 2024)	Mid-Sem Assessment	Written Exam
10	Week-10 (4 th and 7 th March, 2024)	Affordable housing, low cost and appropriate technologies. Group Housing	Lecture and Discussion
11	Week-11 (11 th and 14 th March, 2024)	Affordable housing, low cost, and appropriate technologies. Group Housing	Lecture and Discussion
12	Week-12 (18 th and 21 st March, 2024)	Site Planning for Housing. Selection of site for housing, consideration of physical characteristics of the site, location factors, orientation, climate, topography, and landscaping.	Lecture and Discussion
13	Week-13 (25 th and 28 th March, 2024)	Housing design relating to Indian situations - traditional housing, row housing, cluster housing, apartments, high-rise housing. Case studies in India of the various types.	Lecture and Discussion
14	Week-14 (1 st and 4 th April, 2024)	Green building and sustainable practices.	Lecture and Discussion
15	Week-15 (8 th April, 2024)	Disaster resistance and mitigation. Prefabrication Community participation.	Lecture and Discussion
16	Week-16 (15 th and 18 th April, 2024)	Internal Assessment -3	Presentation

Outcome:

Upon completion of the course, the students will be able to:

- Understand about the various housing design typologies and the processes involved in housing project development.
- Understand housing need demand and shortage at the national level and contribute to housing stock for various economic groups through a rational design approach.

S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment -1	15
2	Second stage: Mid-semester Examination	20
3	Third stage: Assessment -3	15
	Total	50

References:

1. Christopher Alexander, 'A Pattern Language', Oxford University press, New York 1977.
2. Leuris S, 'Front to back: A Design Agenda for Urban Housing', Architectural Press, 2006.
3. S.K. Sharma, 'Mane A New Initiative in Public Housing', Housing & Urban Development Corporation, 1991.
5. A.K. Lal, 'Handbook of Low Cost Housing', New Age International Private Limited, 1995.
6. Forbes Davidson and Geoff Payne, 'Urban Projects Manual', Liverpool University Press, Liverpool, 1983.
7. HUDCO Publications, 'Housing for Low Income, Sector Model'.
8. Joseph de Chiara et al, 'Time Saver Standards for Housing and Residential Development', McGraw Hill Co, New York, 1995.
9. Richard Kintermann and Robert Small, 'Site Planning for Cluster Housing', Van Nostrand Reinhold Company, London/New York, 1977.
10. 'Sustainable Building Design Manual: Vol 1 and 2', The Energy Research Institute, 2004.

Course Instructors:**Sd/-**

(Dr. Prashanti Rao and Dr. Amitava Sarkar)

Head of Department