



School of Planning and Architecture: Vijayawada
(An institute of National Importance under the Ministry of Education, Govt. of India)
S.No. 4/4, ITI Road, Vijayawada – 520008, Andhra Pradesh, India

Course: **ARC422 – Urban Housing** Class: **VIII Sem. B. Arch, 2024-25 A.Y** Section: **A & B**
Instructors: **Dr. Prashanti Rao - Section-A & Section-A & Dr. Amitava Sarkar - Section B**
Contact Periods/week: **04 (55 min. each)** Timetable: **Monday, 1:30 – 3.20 PM & Thursday, 9:00 – 10.50 AM**
Internal Assessment Marks: **50** External Theory Exam: **50** Total Marks: **100**
Attendance: **75% Min.** Min. Passing Marks: **40% each in Internal & External Assessments, 40% in Aggregate**

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 involve in housing project development. The objective is also to discuss about current issues in housing.

Outcomes

Students completing this course will be able to:

1. Understand about the various housing design typologies and the processes involves in housing project development.
2. 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.	Date & Week No.	TOPIC OF CLASS LECTURE & DISCUSSION	CLASS ACTIVITY & ASSIGNMENTS
1	2 nd Jan 25 Week 1	<ul style="list-style-type: none"> ✓ Housing and its importance in architecture, its relationship with neighborhood and city planning. ✓ Housing is a key vivid component of urban and rural settlements 	Lecture and Discussion
2	6 th & 9 th Jan 25 Week 2	<ul style="list-style-type: none"> ✓ Housing scenario in a global context and Indian context – urban and rural. Housing need, demand, supply, and density. 	Lecture and Discussion
3	13 th & 16 th Jan 25 Week 3	<ul style="list-style-type: none"> ✓ 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	20 th & 23 th Jan 25 Week 4	<ul style="list-style-type: none"> ✓ 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	27 th & 30 th Jan 25 Week 5	<ul style="list-style-type: none"> ✓ One Day Workshop on Planning for Major Formal In Formal and Special Housing typologies by Prof. Uttam Kumar Roy IIT Roorkee ✓ Housing schemes, National Housing and Habitat Policy, Housing agencies and their role in housing development. 	Workshop, Lecture and Discussion
6	3 rd & 6 th Feb 25 Week 6	Field Work / Case Study visits	
7	10 th & 13 th Feb 25 Week 7	<ul style="list-style-type: none"> ✓ Affordable housing, low cost and appropriate technologies. 	Lecture and Discussion
8	17 th & 20 th Feb 25 Week 8	<ul style="list-style-type: none"> ✓ Affordable housing, low cost and appropriate technologies. 	Lecture and Discussion
9	24 th & 27 th Feb 25 Week 9	<ul style="list-style-type: none"> ✓ Group Housing - URDPFI guidelines, and relevant norms as per the National Building Code of India and as per Development Control Regulations. 	Lecture and Discussion
10	3 rd & 6 th Mar 25 Week 10	<ul style="list-style-type: none"> ✓ Group Housing - URDPFI guidelines, and relevant norms as per the National Building Code of India and as per Development Control Regulations. 	Lecture and Discussion
11	10 th & 13 th Mar 25	<ul style="list-style-type: none"> ✓ 10th Mar 25 - Mid Semester Assessment 	Lecture and Discussion

S.No.	Date & Week No.	TOPIC OF CLASS LECTURE & DISCUSSION	CLASS ACTIVITY & ASSIGNMENTS
	Week 11	✓ Site Planning for Housing.	
12	17th & 20th Mar 25 Week 12	✓ Selection of site for housing, ✓ Consideration of physical characteristics of the site, location factors, orientation, climate, topography, and landscaping.	Lecture and Discussion
13	24th & 27th Mar 25 Week 13	✓ 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 Assignment-II
14	31st Mar & 3rd Apr 25 Week 14	✓ 31st Mar 25 – Holiday ✓ Green building Material and Certification - 31st March ✓ Green building and sustainable practices - 3 rd April	Expert Lecture By Dr Rajshree Charan Lecture and Discussion
15	7th & 10th Apr 25 Week 15	✓ 10th Apr 25 - Holiday ✓ Green building and sustainable practices.	Lecture and Discussion
16	14th & 17th Apr 25 Week 16	✓ Disaster resistance and mitigation. ✓ Prefabrication Community participation.	Lecture and Discussion
17	21st Apr 25 Week 17	Internal Assessment - 3: Assignment-II	Presentation

Tentative break-up of Internal Assessment Marks:

S.No.	Categories of Evaluation*	Marks
1	Assessment –1: Assignment-I	15
2	Assessment –2: Mid Semester Test	20
3	Assessment –3: Assignment-II	15
	Total	50

* The Marks allotted against each category are tentative. Categories of evaluation are only indicative and may increase or decrease.

Reference Books:

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.
4. A.K. Lal, 'Handbook of Low Cost Housing', New Age International Private Limited, 1995.
5. Forbes Davidson and Geoff Payne, 'Urban Projects Manual', Liverpool University Press, Liverpool 1983.
6. HUDCO Publications, 'Housing for Low Income, Sector Model'.
7. Joseph de Chiara et al, 'Time Saver Standards for Housing and Residential Development', McGraw Hill Co, New York, 1995.
8. Richard Kintermann and Robert Small, 'Site Planning for Cluster Housing', Van Nostrand Reinhold Company, London/New York, 1977.
9. 'Sustainable Building Design Manual: Vol 1 and 2', The Energy Research Institute, 2004.

Sd/-
Signature of Subject Teacher

Sd/-
Signature of Head of the Department