



**School of Planning and Architecture: Vijayawada**  
(An autonomous institution established by Ministry of Education, Govt. of INDIA)

**Department of Architecture**

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**Course:** MSAR212 - People, Environment and Buildings

**Class:** MSA – III SEMESTER

**Instructor:** Mr. Anil Kumar Chilakapati

**Contact Periods/week:** 3 hours

**Internal Assessment Marks:** 50

External Assessment (Theory Examination): 50

**Total Marks:** 100

**Attendance:** 75%

Minimum Passing Marks: 50%

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**Objective:** The objective of this course to sensitize the students towards people and built environment and their relationships.

**OUTLINE:**

Concept of the spatial nexus, understanding of the human built-environments at various scales .

**STRUCTURE:**

The lectures will be organized into three sections, including (1) **why** we need to consider relationships among the factors of people, environmental and morphological factors in built-environments, (2) **what** social and sustainable design factors we should consider, and (3) **how** to address these factors in the sustainable design process. Various types of theories will be discussed, ranging from space–place to linkages.

**TEACHING PLAN**

Sl. No.	Date/ Week	Topic of Class/Lecture & Discussion	Nature of Class
1	Week-1	Relationship between people and environment, impact of people on environment and vice versa, extent of the energy and environmental crises facing the world, need for implementing energy efficiency on an international, national and individual basis in the context of the building industry & environmental issues.	LECTURE
2	Week-2	Introduction to Indoor environment – spatial environment, Thermal environment, visual environment, sonic environment and olfactory environment.	LECTURE

Sl. No.	Date / Week	Topic of Class/Lecture & Discussion	Nature of Class
3	Week-3	Continued with Week-2 content	LECTURE
4	Week-4	The issues that have influenced and are currently impacting human settlement, building, and sustainable design are explored through the use of vernacular relevance and connections to built-form responses and the interpretation of climate responsive architectural principles of design.	LECTURE / EXERCISE
5	Week-5		LECTURE / EXERCISE
6	Week-6		LECTURE
7	Week-7	Slip test and Book Review	DISCUSSION
8	Week-8	Assessment	LECTURE / EXERCISE
9	Week-9	<b>Assessment – MID SEM</b>	Mid-term Exam -2
10	Week-10	<b>Book Reviews and Self-research</b>	LECTURE / EXERCISE
11	Week-11		LECTURE / EXERCISE
12	Week-12	Field assessments shall be developed through a research-based introduction of the Human Relations, environment and buildings to address the cultural/societal and technical realms that describe traditional built form. Appropriate case studies.	LECTURE / EXERCISE
13	Week-13		LECTURE / EXERCISE
14	Week-14		LECTURE
15	Week-15	<b>Research Interpretations and Discussions</b>	REVISIONS

### **Break-up of Internal Assessment Marks**

<b>S. No.</b>	<b>Stages of Evaluation</b>	<b>Weightage</b>	<b>Note</b>
1	Assignment - I	25Marks	Total internal marks 50 Attending all the tests / assignments / seminars is mandatory
2	Assignment - II	25 Marks	
3	Assignment - III	50Marks	

### **Reference Books:**

- Baker Nick and Steamers Koen, "Energy and Environment in Architecture", E & FN Spon, London, 1999.
- Goulding, John, R., Lewis, Owen, J., and Steamers, Theo, C, "Energy in Architecture", Bastford Ltd., London, 1986.
- Bansal Narendra, K., Hauser Gerd and Minke Gernot, "Passive Buildings Design: A Hand book of Natural Climatic Control", Elsevier Science, Amsterdam, 1994.
- Givoni, B., "Man, Climate and Architecture", Elsevier, Amsterdam, 1986.
- Smith, R. J., Phillips, G. M., and Sweeney, M., "Environmental Science", Longman Scientific and Technical, Essex, England, 1982.
- Watson Donald, "Climate Design: Energy Efficient Building principles and practices", McGraw Hill Book Company, New York, 1983.
- Norbert Schaneur, 6000 years of Housing

**(Dr. Anil Kumar Chilakapati)**  
Course Instructor

**Head of the Department**