

Sl. No.	Sub. Code	Theory	Contact Hours			Credit
			L	T	P/S	
2.	22AR523	Responsive Built Environment	3	0	0	3

**Course Objective** To focus on the interplay between humans and their surroundings broadly encompassing natural environments, social settings, built environments, learning environments, and informational environments. To impart knowledge about psychological implications in designing a built environment. The focus is on understanding man-environment relationship, behavioural dynamics with respect to spatial pattern, and methods of conducting behavioural studies.

**Anticipated Learning Outcomes:** Ability to understand basic socio-psychological concepts and learn their applications in space planning and architectural design.

**Module 1** Nature and scope of Environmental Psychology- What is it and its relation to Architecture and planning. Meaning of environment; Measurement of environmental stimuli from psychological aspect. Behavioural effects of Environmental conditions.

1. Physical - Noise, Temperature and air pollution
2. Social- Overcrowding and isolation.
3. Extra ordinary- Catastrophe.

**Module 2** Environmental Perception and cognition. Perceptual factors of environment- perception of distance. Size and movement. Meaning of colour and form. Social and Cultural influences on environmental perception.

**Module 3** Personal space - individual and situational as determinants of personal space. Consequences of too much or too little of Personal space. Personal space and environmental space as implications for design aspects.

Crowding – Crowding, density and population, Influences on Crowding, High density, crowding, and human behaviour, Theories of crowding, Crowding and environmental design.

**Module 4**

Community environmental Psychology- Life in cities, what is neighbourhood, Anti-social behaviour in community environment, community environment design; territoriality, concept of defensible space.

Psychological aesthetics - Measurement of communication through art; determination of pleasantness and unpleasantness as psychological factors in environmental design.

Adaptation to environment - Behavioural aspects of adaptation to familiar and unfamiliar environment.

**Module 5**

Any other topic as per present day needs to be decided by the teacher.

**Note: Most Architectural subjects do not have Textbooks. The Reference books mentioned below are for reference only and University question paper should be prepared from the Syllabus descriptions.**

**References**

1. Burnette, C. (1971). *Architecture for human behaviour*. Philadelphia Chapter: AIA.
2. Canter, D. and Lee, T. (1974). *Psychology and the built environment*. New York: Halstead Press.
3. Christopher, A. et al. (1977). *A Pattern Language*. New York: Oxford University Press.
4. Clovis, H. (1977). *Behavioural Architecture*. McGraw Hill.
5. Lynch, K. (1973). *The image of a city*. Cambridge: MIT.
6. Sanoff, H. (1991). *Visual Research Methods in Design*. New York: John Wiley & Sons.
7. Zeisel, J. (1984). *Enquiry by design: Tools for Environment-Behaviour Research*. Cambridge: Cambridge University Press.
8. Zeisel, J. and Eberhard, J. P. (2006). *Inquiry by Design- Environment/ Behaviour/ Neuroscience in Architecture, Interiors, Landscape and Planning*. New York: W. Norton & Company.