DEPARTMENT OF ARCHITECTURE

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART I

Course Title	AR 713 Environment and Behavior		
Course Code	AR713	No. of Credits	2
Course Code of Pre-requisite subject(s)	Nil		
Session	July 2023	Section (if, applicable)	NA
Name of Faculty	K. Premkumar	Department	Architecture
Email	prem@nitt.edu	Telephone No.	9095863757
Name of Course Coordinator(s) (if, applicable)	NA		
E-mail	prem@nitt.edu	Telephone No.	9095863757
Course Type	☐ Elective course		

Syllabus (approved in BoS)

National Institute of Technology, Tiruchirapalli-15 .

AR 713 – ENVIRONMENT AND BEHAVIOR

Prediction of environmental attitudes and behavior. Environmental assessment, Environmental Perception and cognition.

Perspectives on perception, learning, habituation and perception of change.

Models and acquisition of spatial cognition and cognitive maps, Way finding, characteristics, settings.

Introduction to the theories of Environment-Behavior relationships.

The nature and function of theories. Arousal approach, stimulation approach, Adaptation level, Behavior constraint and Environmental stress approach.

Barker's ecological psychology approach. Environment and Behavior studies related to Noise, Weather, Climate, Territoriality, Disasters, Crowding.

Issues related to built environment such as design of residential, institutional, work, learning and leisure environments.

REFERENCES: 1. Morgan, T., & Clifford, "Introduction to Psychology", Tata McGraw - Hill Publications New York, 1983.

2. Kayem, S.M., "Psychology in relation to design" Dowden, Hutchinson and Ross, 1973.

3. Hall, E.T., "The Hidden Dimension" New York, Doubleday, 1966.

4. Bell, A. Paul, Greene, C. Thomas, Fisher, D. Jeffrey, Baum Andrew, "Environmental Psychology" Harcourt Brace College Publishers, New York, 1996.

COURSE OBJECTIVES

- To understand the significance of this course in designing people environment.
- To acquire knowledge in addressing behavior issues in built environment.
- To develop strategies based on theories that could applied in design decisions.
- To extend the scope of application of this knowledge in wide range of people – environment design endeavor

COURSE OUTCOMES (CO)

Course Outcomes	Aligned Programme Outcomes (PO)
1. To understand the importance of environment behavior studies in the realm of design.	To emphasis the significance of environment and behavior relationship in local context for design.
2. Capacity building in addressing the behavior issues in design problem.	To get integrated with environmental design studios and sustainable architectural design.
	To lay foundation for establishment of environmental psychology lab. In future.
3. To identify the relevance and application of theories in providing solution to practical design problem.	To lay foundation for establishment of environmental psychology lab. In future
4. To motivate for contextual research in building theories for environment studies.	

COURSE PLAN – PART II

COURSE OVERVIEW

This course portray the relationship between the built environment and human behavior with intorduction to environmental perception, cognition and attitude towards environment. Further it highlights few theories of environmental psychology with its application in real life situation showing the relevance in spatial design.

COURSE TEACHING AND LEARNING ACTIVITIES

S.No.	Week/Contact Hours	Topic	Mode of Delivery
1	1st – 4th	Basics on perception and environmental perception and cognition, environmental attitudes and behavior. Environmental assessment, spatial cognition, cognitive maps, way finding.	Classroom inputs, discussion, seminar presentation, assignments observation of environmental display, everyday settings.

	2	5th -8th	Theories of Environment-Behavior, tenets of theories, functions of it, application in design.	Classroom inputs, discussion, seminar presentation, assignments observation of environmental display, everyday settings.
	3.	9th – 12th	Environment and behavior studies related to noise, weather, concept of personal spaces, types of personal spaces, territoriality, types of infringement, and factors of influences.	Classroom inputs, discussion, seminar presentation, assignments observation of environmental display, everyday settings.
	4.	13th – 16th	Behavioral issues related to design of residences, accretion and erosion, Concept of Home, learning environment, leisure environment.	Classroom inputs, discussion, seminar presentation, assignments observation of environmental display, everyday settings.

COURSE ASSESSMENT METHODS (shall range from 4 to 6)

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1.	Cycle test -1	6th week	1 hour	20 marks.
2	Cycle test -2	14th week	1 hour	20 marks.
3	1st segment assignment	Before 1st cycle test	2 sets	For 10 marks
4	2nd segment assignment	After 1st cycle test	2 sets	For 10 marks
CPA	Compensation Assessment*	One retest		For 20 marks
5	3rd segment assignment	Before cycle test – 2	1 set	For 5 marks
6	Final Assessment * End semester examination	End of 16th week	3 hours	50 marks
7.	4th segment assignment	After cycle test - 2	1 set	5 marks

- Marks obtained in the Set of assignments will be calculated for Total 10 marks.
- mandatory; refer to guidelines on page 4

COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)
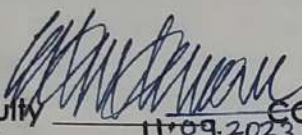
Feedback survey from the students.

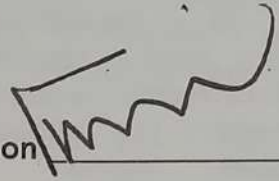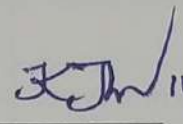| COURSE POLICY (preferred mode of correspondence with students, policy on attendance, compensation assessment, , academic honesty and plagiarism etc.) |
|---|
| **MODE OF CORRESPONDENCE (email/ phone etc) email: prem@nitt.edu**
ATTENDANCE 75% is mandatory
COMPENSATION ASSESSMENT one retest will be conducted
ACADEMIC HONESTY & PLAGIARISM |
| **ADDITIONAL INFORMATION** |
| For passing in this subject a minimum of ~~40%~~ 35% marks is required |
| **FOR APPROVAL** |
| Course Faculty _____ CC-Chairperson _____ HOD ___ 11/09/23
Dr.K.Premkumar   11-09-2023 |

Guidelines:

a) The number of assessments for a course shall range from 4 to 6.

b) Every course shall have a final assessment on the entire syllabus with at least 30% weightage.

c) One compensation assessment for absentees in assessments (other than final assessment) is mandatory. This is not applicable for project work/industrial lectures/internship.

d) The policy for attendance for the course should be clearly specified.

e) Necessary care shall be taken to ensure that the course plan is reasonable and is objective.