

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

DEPARTMENT OF ARCHITECTURE

COURSE OUTLINE FOR AR 718 POST OCCUPANCY EVALUATION OF BUILDINGS

COURSE OUTLINE TEMPLATE			
Course Title	AR 718 - POST OCCUPANCY EVALUATION OF BUILDINGS		
Course Code	AR 718	No. of Credits	2
Department	ARCHITECTURE	Faculty	P.GOPALAKRISHNAN
Pre-requisites Course Code	NIL		
Course Coordinator(s) (if, applicable)	N.A		
Other Course Teacher(s)/Tutor(s) E-mail	N.A	Telephone No.	0431-2503564
Course Type	<input type="checkbox"/> Core course <input type="checkbox"/> Elective course		
COURSE OVERVIEW			
<p>The aim of the course is to introduce students to the concepts and practice of Post Occupancy Evaluation (POE) focusing on building occupants, the building performance concept, measuring performance; types of building performance: Functional , spatial, technological, and technical criteria, indoor environmental quality and POE process model: planning, conducting and implementing ; case studies.</p>			
COURSE OBJECTIVES			
<p>To allow students to comprehend various aspects within the discipline of Post-Occupancy Evaluation.</p> <p>To conduct a occupant survey of a public building.</p> <p>To collect data , analyse and report findings from occupant satisfaction questionnaires and focus group building users interviews</p> <p>To develop the investigative skills of students, by making them critically think on the building performance on Technological , Functional and behavioural aspects</p>			

COURSE OUTCOMES (CO)**Course Outcomes**

1. Appreciate the importance of evaluating building performance with focus on energy aspects
2. Understand the concepts and principles used for carrying out a POE of building occupants in variety of building types
3. Understand how POE needs to be integrated at initial stages of design.
4. Appreciate the complexity of understanding building occupants and some of the important challenges facing POE experts.
5. Understand the methodology used in conducting POE for variety of building types

COURSE TEACHING AND LEARNING ACTIVITIES

S.No.	Week	Topic	Mode of Delivery
1.	Week 1	BUILDING PERFORMANCE EVALUATION	PPT
2.	Week 2	POE METHODS /BENEFITS USES	PPT
3.	Week 3	CONDUCTING POE – CASE STUDIES	PPT – STUDIO DISCUSSION
4.	Week 4	Lit.CASE STUDY PRESENTATION	PPT
5.	Week 5	PLANNING POE- RESEARCH PLANNING	STUDIO DISCUSSION
6.	Week 6	FIELD STUDY - SURVEY	ON- SITE
7.	Week 7	CLASS TEST	Written test 1hr duration
8.	Week 8	FIELD STUDY - SURVEY	ON – SITE
9.	Week 9	REPORTING PRELIMINARY DATA	STUDIO DISCUSSION
10.	Week 10	MID SEM REVIEW	PPT
11.	Week 11	DATA ANALYSIS	STUDIO DISCUSSION
12.	Week 12	DATA ANALYSIS	STUDIO DISCUSSION
13.	Week 13	REPORT WRITING	STUDIO DISCUSSION
14.	Week 14		
15.	Week 15	REPORT WRITING	STUDIO DISCUSSION
16.	Week 16	END SEM REVIEW	PPT

COURSE ASSESSMENT METHODS

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
	CLASS TEST	WEEK 7	1 Hr	20%
	MID SEMESTER REVIEW	WEEK 9 or 10		40%
	END SEMESTER REVIEW	WEEK 15 or 16		40%

ESSENTIAL READINGS :

1. Wolfgang Preiser & Edlaine Ostroff "Universal Design Handbook", McGraw Hill, 2001.
2. Assessing Building Performance, by Preiser and Vischer (Eds), Elsevier Butterworth-Heinmann, Oxford, UK, 2005.
3. Robert B. Bechtel and Arza Churchman "Handbook of Environmental Psychology", John Wiley & Sons Inc., New York 2002.
3. James Douglas "Building Adaptation", Elsevier, Oxford 2002.

COURSE EXIT SURVEY

Online Feedback through MIS

COURSE POLICY

Students are required to complete and submit on time all presentations and report. Marks will be deducted for late submissions.

Minimum attendance requirement is 70%

ADDITIONAL COURSE INFORMATION

Faculty contact Info:

P.GOPALAKRISHNAN

OJAS BUILDING, ROOM NO.120

NIT CAMPUS

Email:gopal@nitt.edu

CLASS TIMINGS : Thursday 1.30- 4.50

FOR SENATE'S CONSIDERATION

Course Faculty



P. Gopalakrishnan

CC-Chairperson


(WILSON · F)

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