

Lesson Plan

Name Of Faculty : Ruby gaba

Discipline : Arch. Asst.

Semester : 3th sem

Subject : Climatology

Lesson Plan Duration : 15 week(july 2018 to nov 2018)

Week	Theory		Practical	
	Lecture Day	Topic (Including Assignment / Test)	Practical Day	Topic
Ist	1	Earth and Global Climate:	1 st	
	2	Introduction to climatology		
IInd	3	Movement of earth around sun,	2 nd	
	4	Elements of climate (Wind, temp, humidity, precipitation, pressure).		
IIIrd	5	Different climate zones	3 rd	
	6	Relationship of Climate and Comfort		
IVth	7	Micro-Macro climatic effects.	4 th	
	8	Concept of comfort zone and bio climatic chart		
Vth	9	Assignment	5 th	
	10	Sessional – Test 1st		
VIth	11	Adaptation techniques as per climatic zone (Natural and Artificial methods)	6 th	
	12	Sun Protection Devices:		

VIIth	13	Orientation for Sun	7 th	
	14	Sun chart		
VIIIth	15	Design of louvers (horizontal & Vertical)	8 th	
	16	Natural lighting		
IXth	17	Introduction and objectives of solar passive design.	9 th	
	18	Passive Solar heating system		
Xth	19	Wind Control	10 th	
	20	Sessional – Test 2nd		
XIth	21	Orientation for Wind	11 th	
	22	Passive solar cooling		
XIIth	23	Use of Building Materials with respect to climate	12 th	
	24	Concrete, Brick ,Glass, Plas tic, insulating material		
XIIIth	25	Environment and Ecology	13 th	
	26	Basic elements, principles and objectives of ecology.		
XIVth	27	Concepts of natural cycles in eco system.	14 th	
	28	Sources of air and noise pollution and etc. effects and controls.		
XVth	29	Use of landscape elements for micro-macro climate control	15 th	
	30	Sessional – Test 3rd		