		453	3 - BL	ЛLDING	SERVI	CES -	п			
Teachin	g Schedule F	er Week		ogressive sessment	5	Examir	nation Sc.	hedule	Marks)
Lectures	Practical	Credit	AS	sessment	The	eory	Prac	tical Ex		Total
2	2	4	25	25	3 Hrs	100	1			150
Pre-requis	ite	Source	υΓ		Theory	Test	Total	TW	PR	Gr Tota
N	fil	ARC] [Semester	75	25	100	-	-	100

RATIONALE: - This curriculum teaches the students the more advanced services related to the building industry viz. air conditioning, acoustics & fire protection.

COUR	RSE CONTENTS	Hrs	Mks
General considerations in natural, Mechanical General considerations in natural venti Principles of air conditioning. Cla refrigeration cycle, Humidification conditioning. (depending upon loc including air distribution system	FIONING actors affecting ventilation,. Systems of (supply, exhaust, air conditioning), lation: Air conditioning – Definition & purpose, ssification according to purpose,. Basic & Dehumidification, Systems of air ation of a/c unit), Components of a/c system	16	24
 2. THERMAL INSULATION Definition, objective & advantages. Definition of related terms. (Concepti General principles of thermal insulati Constructional techniques used in insi and floors, foundations. S Types of insulating materials with exercise 	on ulation of roofs, exposed walls, doors, windows,	12	20
 3. ACOUSTICS 1 Definition , 2 Characteristics of audible sound., 3 Acoustical defects. 4 Requirements & conditions of good ac 5 General principles of acoustical design 6 Classification of acoustical materials v 	coustics.	16	20
SOUND INSULATION Definition & purpose. Noise – types & 1	ransmission, General considerations for noise	12	20
5. FIRE PROTECTION Important considerations in fire protection	on of buildings, Fire resisting properties of ctional techniques used for fire resistance of	8	16
sheet on thermal insulation of various b sheet on various arrangements & constr esign of buildings. ITE VISITS:- isits to appropriate sites to be conducted anditioning systems, constructional deta: IETHOD OF TEACHING: isits to appropriate sites (viz. auditorium actical understanding of acoustical air c EFERENCE BOOKS:- A Textbook of Building Construction	uilding components. uctional details used in sound insulation & acou I to give the student a practical understanding of ils for thermal & sound insulation & fire fighting a, recording studios, a/c plants etc.) shall be conc onditioning. S.P. Arora. & S.I. Bindra	air- g device	
Building Construction Building Construction Building Construction Building Construction	Sushil Kumar Dr. B. C. Punmia . Rangwala.		