

Name of Course : Master of Architecture (M. Arch)
ENVIRONMENTAL ARCHITECTURE
 Course Structure
 First Year M. Arch (ENV)

Semester – I

Sub Code	Subject	Teaching Scheme (Lecture Periods of 45 min each)			Examination Scheme					Total Marks	Credits
		Lecture	Studio/ Seminar/ Lab	Total	Paper	Sessional		Viva-Voce			
						Int	Ext.	Int.	Ext.		
	Socio Economic Aspects for Planning	3	1	4	75	25	-	-	-	100	2
	Urban and Regional Planning	3	1	4	75	25	-	-	-	100	2
	Housing, Environmental Planning and Policies	3	1	4	75	25	-	-	-	100	2
	Colloquium	2	2	4	-	50	50	-	-	100	2
	Elective I • Quantitative Research Methods	2	2	4	-	100				100	2
	Climate, Building Physics and Sustainable design studio	4	6	10	-	100	100	25	25	250	5
		17	13	30	225	475		50		750	15

*** The institute shall have freedom to offer any listed or additional topic for elective as per the availability of subject expert

Semester – II

Sub Code	Subject	Teaching Scheme (Lecture Periods of 45 min each)			Examination Scheme					Total Marks	Credits
		Lecture	Studio/ Seminar/ Lab	Total	Paper	Sessional		Viva-Voce			
						Int	Ext.	Int.	Ext.		
	Environmental Laws & Legislations	3	1	4	75	25	-	-	-	100	2
	Environmental management & Ecological land planning	3	1	4	75	25	-	-	-	100	2
	Sustainable Building Materials and Technologies	2	2	4	-	50	50	-	-	100	2
	Climate Responsive Building Design Principles	2	2	4	-	50	50	-	-	100	2
	Elective II <ul style="list-style-type: none"> • GIS and Remote Sensing • Software simulation tools for energy efficient buildings 	2	2	4	-	100				100	2
	Sustainable design studio	2	6	10	-	100	100	25	25	250	5
		14	16	30	150	550		50		750	15

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Semester – III

Sub Code	Subject	Teaching Scheme (Lecture Periods of 45 min each)			Examination Scheme					Total Marks	Credits
		Lecture	Studio/ Seminar/ Lab	Total	Paper	Sessional		Viva-Voce			
						Int	Ext.	Int.	Ext.		
	Renewable Energy Systems and Environmental Technologies	3	1	4	75	25	-	-	-	100	2
	Environmental Impact Assessment	3	1	4	75	25	-	-	-	100	2
	Energy Efficient Building Services and Management	2	2	4	-	50	50	-	-	100	2
	Research Paper	2	2	4	-	50	50	-	-	100	2
	Elective III <ul style="list-style-type: none"> • Energy conservation Building Codes and Audits • Restoration of Ecologically Disturbed Sites • Conservation as a tool for sustainability 	2	2	4	-	100				100	2
	Sustainable design studio	4	6	10	-	100	100	25	25	250	5
		16	14	30	150	550		50		750	15

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Semester – IV

Sub Code	Subject	Teaching Scheme (Lecture Periods of 45 min each)			Examination Scheme				Total Marks	Credits	
		Lecture	Studio/ Seminar/ Lab	Total	Paper	Sessional		Viva-Voce			
						Int	Ext.	Int.			Ext.
	Professional Training ***	-	4	-	-	30	30	20	20	100	2
	Dissertation(Thesis)	2	24	26	-	300	300	25	25	650	13
		2	28	30		660		90		750	15

*** Professional training of 6 weeks full time or 12 weeks part time with the concerned office at any time during the semester as decided by the institution offering the course