

**DEPARTMENT OF ARCHITECTURE AND PLANNING  
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

Program Code : **XXX Master of Architecture**  
 Department : **Department of Architecture and Planning**  
 Year : **I**  
 Model : **2**

Teaching Scheme					Contact Hours/Week			Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
<b>Semester-I (Autumn)</b>									
1.	ARC-611	Sustainable Built Environment	PCC	3	2	1	0	3	0
2.	ARC-613	Advanced Building Technologies	PCC	3	2	1	0	3	0
3.	ARC-615	Urban Design	PCC	3	2	1	0	3	0
4.	ARC-617	Contemporary World Architecture	PCC	3	2	1	0	3	0
5.	ARC-619	Architectural Design Studio-I	PCC	4	1	0	8	-	-
6.		Social Science Course	SSC	2	-	-	-	-	-
		<b>Total</b>		<b>18</b>					
<b>Semester-II (Spring)</b>									
1.		Program Elective-I	PEC	4	-	-	-	-	-
2.		Program Elective-II	PEC	3	-	-	-	-	-
3.		Program Elective-III	PEC	3	-	-	-	-	-
4.		Program Elective-IV	PEC	3	-	-	-	-	-
5.		Program Elective-V	PEC	3	-	-	-	-	-
6.		Science, Technology, and Advanced Research-tools	STAR	3	-	-	-	-	-
7.	ARC-700	Seminar	SEM	2	-	-	-	-	-
		<b>Total</b>		<b>21</b>					

**DEPARTMENT OF ARCHITECTURE AND PLANNING  
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Program Code : **XXX Master of Architecture**  
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 Year : **II**  
 Model : **2**

Teaching Scheme					Contact Hours/Week			Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
<b>Semester-I (Autumn)</b>									
1.	ARC-691	Internship Social Activity	ISA	3	-	-	-	-	-
2.	ARC-701A	Thesis Stage-I	THESIS	10	-	-	-	-	-
		<b>Total</b>		<b>13</b>					
<b>Semester-II (Spring)</b>									
1.	ARC-701B	Thesis Stage-II	THESIS	14	-	-	-	-	-
		<b>Total</b>		<b>14</b>					

<b>Summary</b>				
Semester	1	2	3	4
<b>Semester-wise Total Credits</b>	18	21	13	14
<b>Total Credits</b>	<b>66</b>			

## Master of Architecture

### Program Elective Courses

Teaching Scheme					Contact Hours/Week			Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
1.	ARL-601	Architectural Design Studio-II	PEC	4	0	0	8	0	0
2.	ARL-602	Sustainable Materials and Technologies	PEC	3	2	1	0	3	0
3.	ARL-603	Building Performance Evaluation	PEC	3	2	1	0	3	0
4.	ARL-604	Megastructures and Futuristic Construction Technologies	PEC	3	2	1	0	3	0
5.	ARL-605	Construction Planning and Management	PEC	3	2	1	0	3	0
6.	ARL-606	Building Operations & Management	PEC	3	2	1	0	3	0
7.	ARL-607	Digital Forms and Generative Architecture	PEC	3	2	1	2/2	3	0
8.	ARL-608	Contemporary Indian Architecture	PEC	3	2	1	0	3	0
9.	ARL-609	Architectural Theory and Criticism	PEC	3	2	1	0	3	0
10.	ARL-610	Design Thinking for Built Environment	PEC	3	2	1	0	3	0
11.	ARL-611	Architecture and Urban Conservation	PEC	3	2	1	0	3	0
12.	ARL-612	Vernacular Architecture	PEC	3	2	1	0	3	0
13.	ARL-613	Interior Architecture and Material Culture	PEC	3	2	1	0	3	0
14.	ARL-614	Urban Public Spaces	PEC	3	2	1	0	3	0
15.	ARL-615	Universal Accessibility and Inclusion in Built Environment	PEC	3	2	1	0	3	0
16.	ARL-616	Cities for Mental Well Being	PEC	3	2	1	0	3	0
17.	ARL-617	Designing for Urban Childhoods	PEC	3	2	1	0	3	0
18.	ARL-618	Built Environment for Ageing Futures	PEC	3	2	1	0	3	0
19.	ARL-619	Ecology and Sustainable Development	PEC	3	2	1	0	3	0
20.	ARL-620	Climate Change, Policies and Regulations for Sustainability	PEC	3	2	1	0	3	0
21.	ARL-621	Research Methods in Architecture and Planning	PEC	3	2	1	0	3	0

**Master of Architecture**

**Science, Technology, and Advanced Research-tools Basket**

Teaching Scheme					Contact Hours/Week			Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
1.	ART-501	Building Information Modelling	STAR	3	2	1	0	3	0

**Social Sciences Course Basket**

Teaching Scheme					Contact Hours/Week			Exam Duration	
S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
1.	ARS-501	Architecture and Society	SSC	2	2	0	0	2	0
2.	ARS-502	Visual Narratives and Photo Essays in Built Environment	SSC	2	2	0	0	2	0
3.	ARS-503	Environment and Behaviour Studies	SSC	2	2	0	0	2	0