DEPARTMENT OF ARCHITECTURE AND PLANNING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

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

S.No.	Subject Code	Course Title	Subject Area	Credits	Contact Hours/Week			Exam Duration	
		Teaching Scheme			L	T	P	Theory	Practical
		Semester-I (Autumn)							
1.	ARC-621	Planning Legislation and Governance	PCC	3	2	1	0	3	0
2.	ARC-623	Planning Theory	PCC	3	2	1	0	3	0
3.	ARC-625	Infrastructure Planning	PCC	3	2	1	0	3	0
4.	ARC-627	GIS and Remote Sensing Techniques	PCC	3	2	1	0	3	0
5.	ARC-629	Planning Studio-I	PCC	4	0	0	8	-	-
6.		Social Science Course	SSC	2	-	-	-	-	-
		Total		**18**					
		Semester-II (Spring)							
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	-	-	-	-	-
		Total		**21**					

DEPARTMENT OF ARCHITECTURE AND PLANNING
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Program Code   :   **XXX   Master of Urban and Rural Planning**
Department   :   **Department of Architecture and Planning**
Year   :   **II**
Model   :   **2**

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

Summary				
Semester	**1**	**2**	**3**	**4**
Semester-wise Total Credits	18	21	13	14
Total Credits	**66**			

Master of Urban and Rural Planning

Program Elective Courses

S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
		Teaching Scheme						**Contact Hours/Week**	**Exam Duration**
1.	ARL-622	Planning Studio-II	PEC	4	0	0	8	0	0
2.	ARL-623	Sustainable Urban Transport Planning	PEC	3	2	1	0	3	0
3.	ARL-624	Urban Utilities and Services	PEC	3	2	1	0	3	0
4.	ARL-625	Mega Infrastructure	PEC	3	2	1	0	3	0
5.	ARL-626	Housing Policy and Planning	PEC	3	2	1	0	3	0
6.	ARL-627	Land Management	PEC	3	2	1	0	3	0
7.	ARL-628	Real Estate Management	PEC	3	2	1	0	3	0
8.	ARL-629	Urbanization and Globalization	PEC	3	2	1	0	3	0
9.	ARL-630	Regional Planning	PEC	3	2	1	0	3	0
10.	ARL-631	Rural Planning and Development	PEC	3	2	1	0	3	0
11.	ARL-632	Climate Change Adaptation and Disaster Risk Resilience	PEC	3	2	1	0	3	0
12.	ARL-633	Environmental Impact Assessment	PEC	3	2	1	0	3	0
13.	ARL-619	Ecology and Sustainable Development	PEC	3	2	1	0	3	0
14.	ARL-634	Big Data and Urban Analytics	PEC	3	2	1	0	3	0
15.	ARL-635	AI and ML Application in Planning	PEC	3	2	1	0	3	0
16.	ARL-636	Urban Dynamics	PEC	3	2	1	0	3	0
17.	ARL-637	Advanced Strategic Decision Making	PEC	3	2	1	0	3	0
18.	ARL-638	Urban Economics	PEC	3	2	1	0	3	0
19.	ARL-639	Infrastructure Project Finance and Management	PEC	3	2	1	0	3	0
20.	ARL-640	Public Policy Analysis	PEC	3	2	1	0	3	0
21.	ARL-641	Professional Practice in Planning	PEC	3	2	1	0	3	0
22.	ARL-642	Urban Management	PEC	3	2	1	0	3	0
23.	ARL-643	Research Methodology for Planning and Architecture	PEC	3	2	1	0	3	0

Master of Urban and Rural Planning

Science, Technology, and Advanced Research-tools Basket

S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
		Teaching Scheme			Contact Hours/Week			Exam Duration	
1.	ART-502	Fundamental of Town Planning	STAR	3	2	1	0	3	0

Social Sciences Course Basket

S.No.	Subject Code	Course Title	Subject Area	Credits	L	T	P	Theory	Practical
		Teaching Scheme			Contact Hours/Week			Exam Duration	
1.	ARS-504	Socio Economic for Planning	SSC	2	2	0	0	2	0