

Master of Public Policy (MPP) Curriculum
Dept. Of Humanities and Social Sciences
 From Academic Year 2022-23

Semester - I

S No.	Course No	Course Name	L-T-P-C
1	HS512L	Public Administration, Public Policy & Governance	3-0-0-3
2	HS509L	Ethics and Public Policy	3-0-0-3
3	HS508L	Economics for Public Policy	3-0-0-3
4	HS515L	Statistical Techniques for Public Policy	3-0-0-3
5	HS516L	Research Design and Qualitative Methods	3-0-0-3
6	HS505L	Communication for Effective Leadership – I	1-0-0-1
Total			16

Semester – II

S.No	Course No	Course Name	L-T-P-C
1.	HS513L	Public Finance	3-0-0-3
2.	HS514L	Public Organization and Management	3-0-0-3
3.	HS511L	Introduction to Program Evaluation	3-0-0-3
4.	HS506L	Communication for Effective Leadership – II	1-0-0-1
5.		Departmental Elective 1	3-0-0-3
6.		Departmental Elective 2	3-0-0-3
Total			16

Semester – III

S.No	Course No	Course Name	L-T-P-C
1.	HS620L	Communication for Effective Leadership – III	1-0-0-1
2.		Department Elective 3	3-0-0-3
3.		Department Elective 4	3-0-0-3
4.		Free Elective – 1	3-0-0-3
5.		Free Elective – 2	3-0-0-3
6.	HS691G	Dissertation Phase – I	---5
Total			18

Semester - IV

S.No	Course No	Course Name	L-T-P-C
1.	HS692G	Dissertation Phase – II	---20
Total			20

Total Credits – 70 Credits

Electives

Stream I : Science & Management of Sustainability

To specialize in this stream students are required to take a minimum of 12 credits from the list of electives given below and at least 6 credits from HSS.

S.No.	Course No.	Course Name	L-T-P-C	Course Code (Prior to July 2022)
1	HS501L	Sustainability Science and Governance	3-0-0-3	HS5021
2	HS510L	Introduction to Energy and Environmental Policy	3-0-0-3	HS5030
3	HS616L	Sustainable Human Resource Management	3-0-0-3	HS6031
4	HS518L	Sustainable Infrastructure	3-0-0-3	HS5038
5	HS507L	Crisis, Pandemics and Policy Responses	3-0-0-3	HS5027
6	HS702L	Applied Econometrics	3-0-0-3	HS7103
7	HS625L	Time Series Modelling	3-0-0-3	HS6040
8	HS517L	Social Justice and Human Rights	3-0-0-3	HS5037
9	HS624L	Sustainable Finance	2-0-0-2	HS6039
10	HS621L	Indian Economic Experiences	2-0-0-2	HS6036
11	HS622L	Introduction to Theories of Development	2-0-0-2	HS6037
12	HS623L	Politics of Environmental Policy-making Processes	2-0-0-2	HS6038
13	HS504L	Biodiversity Conservation and Sustainability	3-0-0-3	HS5024
14	HS503L	Introduction to Data Analytics –Methods	1-1-0-2	HS5023
15	HS619L	Introduction to Data Analytics –Tools	1-1-0-2	HS6034
16	CE511L	Integrated Impact Assessment	3-0-0-3	CE5023
17	CE525M	GIS and Remote Sensing	1-0-3-3	CE5026
18	MA507P	Programming Lab	0-0-3-2	MA5191
19	EE541L	Network Economics	3-0-0-3	EE5047

Stream-II : Data Science

Eligibility requirements for this stream are as per the admission brochure. To specialize in this stream students are required to take a minimum of 12 credits from the list of electives given below and at least 6 credits from CSE.

S. No.	Dept.	Course No.	Course Name	L-T-P-C	Course Code (Prior to July 2022)
1	CSE	CS516L	Data Science and Engineering	3-0-0-3	CS5109
2	CSE	CS516P	Data Science Programming Laboratory	0-0-3-2	CS5195
3	CSE	CS519L	Machine Learning	3-0-0-3	CS5103
4	CSE	CS514L	Artificial Intelligence	3-0-0-3	CS5204
5	CSE	CS518L	Deep Learning	3-0-0-3	CS5223
6	CSE	CS509L	Predictive Data Modelling	3-0-0-3	CS5025
7	CSE	CS511L	Artificial Neural Networks	3-0-0-3	CS5222
8	CSE	CS515L	Computational methods in Optimisation	3-0-0-3	CS5107
9	MA	MA501L	Linear Algebra for Engineers	2-0-0-2	MA5021
10	MA	MA503L	Probability for Engineers	2-0-0-2	MA5022
11	MA	MA502L	Differential Equations for Engineers	2-0-0-2	MA5023
12	MA	MA606L	Bayesian Statistics	3-0-0-3	MA6029
13	MA	MA610L	Non-parametric Statistics	3-0-0-3	MA6028
14	MA	MA626L	Statistical Simulations and Data Analysis	3-0-0-3	MA6035
15	HSS	HS625L	Time Series Modelling	3-0-0-3	HS6040
16	HSS	HS501L	Sustainability Science & Governance	3-0-0-3	HS5021
17	HSS	HS510L	Introduction to Energy and Environmental Policy	3-0-0-3	HS5030
18	HSS	HS616L	Sustainable Human Resource Management	3-0-0-3	HS6031
19	HSS	HS517L	Social Justice and Human Rights	3-0-0-3	HS5037
20	HSS	HS624L	Sustainable Finance	2-0-0-2	HS6039

Stream-III: Sustainability and Engineering

Eligibility requirements for this stream are as per the admission brochure. To specialize in this stream students are required to take a minimum of 12 credits from the list of electives given below and at least 6 credits from CEE.

S. No.	Dept.	Course No.	Course Name	L-T-P-C	Course Code (Prior to July 2022)
1	CEE	CE513L	Water Resources Planning and Management	3-0-0-3	CE5025
2	CEE	CE512L	Solid and Hazardous Waste Management	3-0-0-3	CE5024
3	CEE	CE511L	Integrated Impact Assessment	3-0-0-3	CE5023
4	CEE	CE505L	Groundwater Hydrology	3-0-0-3	CE5021
5	CEE	CE532L	Surface Water Hydrology	3-0-0-3	CE5107
6	CEE	CE530L	Physicochemical Processes in Water and Wastewater Engineering	3-0-0-3	CE5104
7	CEE	CE517L	Air Pollution Control Engineering	3-0-0-3	CE5105
8	CEE	CE519L	Biological Processes in Wastewater Engineering	3-0-0-3	CE5202
9	CEE	CE518L	Applied Hydraulic Engineering	3-0-0-3	CE5106
10	CEE	CE527P	Hydroinformatics Laboratory	0-0-3-2	CE5191
11	CEE	CE522P	Environmental Monitoring Laboratory	0-0-3-2	CE5291
12	CEE	CE525M	GIS and Remote Sensing	1-0-3-3	CE5026
13	CEE	CE533L	Traffic Engineering and Road Safety	3-0-0-3	CE5109
14	HSS	HS501L	Sustainability Science & Governance	3-0-0-3	HS5021
15	HSS	HS510L	Introduction to Energy and Environmental Policy	3-0-0-3	HS5030
16	HSS	HS616L	Sustainable Human Resource Management	3-0-0-3	HS6031
17	HSS	HS517L	Social Justice and Human Rights	3-0-0-3	HS5037
18	HSS	HS624L	Sustainable Finance	2-0-0-2	HS6039
19	HSS	HS625L	Time Series Modelling	3-0-0-3	HS6040
20	MA	MA501L	Linear Algebra for Engineers	2-0-0-2	MA5021
21	MA	MA503L	Probability for Engineers	2-0-0-2	MA5022
22	MA	MA502L	Differential Equations for Engineers	2-0-0-2	MA5023