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	HS5101	Public Administration, Public Policy & Governance	3-0-0-3
2	HS5103	Ethics and Public Policy	3-0-0-3
3	HS5105	Economics for Public Policy	3-0-0-3
4	HS5107	Quantitative Methods	3-0-0-3
5	HS5109	Research Design and Qualitative Methods	3-0-0-3
6	HS5110	Communication for Effective Leadership – I	1-0-0-1
		Total	**16**

Semester – II

S.No	Course No	Course Name	L-T-P-C
1.	HS5202	Public Finance	3-0-0-3
2.	HS5204	Public Organization and Management	3-0-0-3
3.	HS5206	Introduction to Program Evaluation	3-0-0-3
4.	HS5210	Communication for Effective Leadership – II	1-0-0-1
5.	DPE1	Departmental Elective 1	3-0-0-3
6.	DPE2	Departmental Elective 2	3-0-0-3
		Total	**16**

Semester – III

S.No	Course No	Course Name	L-T-P-C
1.	HS6110	Communication for Effective Leadership - III	1-0-0-1
2.	HS6XXX	Department Elective 3	3-0-0-3
3.	HS6XXX	Department Elective 4	3-0-0-3
4.	FRE1	Free Elective – 1	3-0-0-3
5.	FRE2	Free Elective – 2	3-0-0-3
6.	HS6150	Dissertation Phase - I	---5
		Total	**18**

Semester - IV

S.No	Course No	Course Name	L-T-P-C
1.	HS6250	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
1	HS5XXX	Sustainability Science and Governance
2	HS5XXX	Introduction to Energy and Environmental Policy
3	HS6XXX	Sustainable Human Resource Management
4	HS5XXX	Sustainable Infrastructure
5	HS6XXX	Crisis, Pandemics and Policy Responses
6	HS7103	Applied Econometrics
7	HS6XXX	Time Series Modelling
8	HS5XXX	Social Justice and Human Rights
9	HS6XXX	Sustainable Finance
10	HS6XXX	Indian Economic Experiences
11	HS5XXX	Introduction to Theories of Development
12	HS6XXX	Politics of Environmental Policy-making Processes
13	CE5023	Integrated Impact Assessment
14	CE5026	GIS and Remote Sensing
15	HS5XXX	Biodiversity Conservation and Sustainability
16	MA5191	Programming Lab
17	EE5XXX	Network Economics
18	HS5XXX	Big Data for Sustainable Science - 1
19	HS6XXX	Big Data for Sustainable Science – 2

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
1	CSE	CS5109	Data Science and Engineering
2	CSE	CS5195	Data Science Programming Laboratory
3	CSE	CS 5103	Machine Learning
4	CSE	CS 5204	Artificial Intelligence
5	CSE	CS5223	Deep Learning
6	CSE	CS5025	Predictive Data Modelling
7	CSE	CS5222	Artificial Neural Networks
8	CSE	CS5107	Computational methods in Optimisation
9	MA	MA5021	Linear Algebra for engineers
10	MA	MA5022	Probability for engineers
11	MA	MA5023	Differential Equations for Engineers
12	MA	MA6029	Bayesian Statistics
13	MA	MA6028	Non-parametric Statistics
14	MA	MA6035	Statistical Simulations and Data Analysis
15	HSS	HS6XXX	Time Series Modelling
16	HSS	HS5XXX	Sustainability Science & Governance
17	HSS	HS5XXX	Introduction to Energy and Environmental Policy
18	HSS	HS6XXX	Sustainable Human Resource Management
19	HSS	HS6XXX	Social Justice and Human Rights
20	HSS	HS6XXX	Sustainable Finance

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
1	CEE	CE5025	Water Resources Planning and Management
2	CEE	CE5024	Solid and Hazardous Waste Management
3	CEE	CE5023	Integrated Impact Assessment
4	CEE	CE5021	Groundwater Hydrology
5	CEE	CE5107	Surface Water Hydrology
6	CEE	CE5104	Physicochemical Processes in Water and Wastewater Engineering
7	CEE	CE5105	Air Pollution Control Engineering
8	CEE	CE5202	Biological Processes in Wastewater Engineering
9	CEE	CE5106	Applied Hydraulic Engineering
10	CEE	CE5191	Hydroinformatics Laboratory
11	CEE	CE5291	Environmental Monitoring Laboratory
12	CEE	CE5026	GIS and Remote Sensing
13	CEE	CE5109	Traffic Engineering and Road Safety
14	HSS	HS5XXX	Sustainability Science & Governance
15	HSS	HS5XXX	Introduction to Energy and Environmental Policy
16	HSS	HS6XXX	Sustainable Human Resource Management
17	HSS	HS6XXX	Social Justice and Human Rights
18	HSS	HS6XXX	Sustainable Finance
19	HSS	HS6XXX	Time Series Modelling
20	MA	MA5021	Linear Algebra for engineers
21	MA	MA5022	Probability for engineers
22	MA	MA5023	Differential Equations for Engineers