

Environment Engineering

Semester III

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Advanced Engineering Mathematics	3	2	0	5	70	30	30	20	150	13
	Mechanics of Solids	4	0	2	6	70	30	30	20	150	13
	Environmental Microbiology & Bioremediation	4	2	0	6	70	30	30	20	150	13
	Environmental Sciences I	4	0	4	8	70	30	30	20	150	13
	Chemical Engg Processes	3	2	0	5	70	30	30	20	150	13
	Total	18	6	6	30						

Semester IV

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Environmental Resources	3	2	0	5	70	30	30	20	150	13
	Engineering Economics and Management	3	0	0	3	70	30	0	0	100	13
	Elements of Chemical Engg	3	2	0	5	70	30	30	20	150	13
	Environmental Sciences II	3	0	4	7	70	30	30	20	150	13
	Ecology and Remote Sensing	3	2	0	5	70	30	30	20	150	13
	Basics of Environmental Hydraulics	3	2	0	5	70	30	30	20	150	13
	Total	18	8	4	30						

Semester V

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Open elective/Interdisciplinary	3	2	0	5	70	30	30	20	150	13
	Physico - Chemical Treatment Technologies	4	0	2	6	70	30	30	20	150	13
	Municipal Engineering	4	2	0	6	70	30	30	20	150	13
	Advanced Environmental Instrumentation	3	0	4	7	70	30	30	20	150	13
	Municipal and industrial solid waste management	4	2	0	6	70	30	30	20	150	13
	Total	18	6	6	30						

Semester VI

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Departmental Elective - I	4	2	0	6	70	30	30	20	150	13
	Design of Water Treatment Plants	4	2	0	6	70	30	30	20	150	13
	Fundamentals of Air Pollution	3	0	2	5	70	30	30	20	150	13
	Biological Processes for Wastewater Treatment	4	2	0	6	70	30	30	20	150	13
	Occupational Health and Safety	3	4	0	7	70	30	30	20	150	13
	Total	18	10	2	30						

Semester VII

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Departmental Elective - II	4	2	0	6	70	30	30	20	150	13
	Air Pollution Control Management	3	2	0	5	70	30	30	20	150	13
	Advanced Unit Operations and Processes in wastewater treatment	3	2	0	5	70	30	30	20	150	13
	Industrial Water Pollution & Control	3	2	0	5	70	30	30	20	150	13
	Wastewater Engineering	3	2	0	5	70	30	30	20	150	13
	Project I	0	0	4	4	0	0	100	50	150	13
	Total	16	10	4	30						

Semester VIII

Subject code	Subject name	Teaching Scheme (Hours)			Credits	Theory Marks		Practical Marks		Total Marks	Branch Code
		Theory	Tutorial	Practical		ESE(E)	PA (M)	Viva (V)	PA(I)		
	Departmental Elective - III	4	2	0	6	70	30	30	20	150	13
	Environmental Monitoring & Data Management	3	2	0	5	70	30	30	20	150	13
	Environmental Impact Assessment	3	2	0	5	70	30	30	20	150	13
	Treatment Process Design and Drawing	4	4	0	8	70	30	30	20	150	13
	Project II	0	0	6	6	0	0	100	50	150	13
	Total	14	10	6	30						

Departmental Elective I:

Estimating, Specifications & Project Management
Ground Water Contamination

Departmental Elective II:

Cleaner Production & Waste Utilization
E waste & radioactive waste management

Departmental Elective III:

Aircraft Control and Navigation
Viscous Flows and Boundary Layer Theory

Institute Elective

Environmental Pollution

**Note: ALA Component, OEP Component and Design Module I, II and III (to be offered in 2nd Year , 3rd year and 4th year respectively)
shall be displayed in the final teaching scheme**