

SHRI G S INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE
I M.TECH. ENVIRONMENTAL ENGINEERING

SEMESTER - I

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CE59012	Environmental Microbiology	3	-	-	3	-	70	30	-	-	100
2	CE50009	Advanced Concrete Technology	3	-	-	3	-	70	30	-	-	100
3	CE59011	Environmental Chemistry	3	-	-	3	-	70	30	-	-	100
5		Elective I	3	-	-	3	-	70	30	-	-	100
6		Elective II	3	-	-	3	-	70	30	-	-	100
7	CE59454	Environmental Chemistry Lab.	-	-	2	-	1	-	-	40	60	100
8	CE59455	Microbiology Lab.	-	-	2	-	1	-	-	40	60	100
9	CE59457	Concrete Technology Lab.	-	-	2	-	1	-	-	40	60	100
10	CE59482	Seminar	-	-	2	-	1	-	-	50	-	50
11	CE59498	Comprehensive Viva	-	-	-	-	-	-	-	-	100	100
Total			15	0	8	15	4	350	150	170	280	950

SEMESTER - II

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CE59517	Industrial Waste & Pollution Management	3	-	-	3	-	70	30	-	-	100
2	CE59516	Unit Operation I : Advanced Water Treatment	3	-	-	3	-	70	30	-	-	100
3	CE59515	Unit Operation II : Advanced Sewage Treatment	3	-	-	3	-	70	30	-	-	100
4		ELECTIVE III	3	-	-	3	-	70	30	-	-	100
5		ELECTIVE IV	3	-	-	3	-	70	30	-	-	100
6	CE59853	Unit Operation-I Lab.	-	-	2	-	1	-	-	40	60	100
7	CE59854	Unit Operation-II Lab.	-	-	4	-	2	-	-	40	60	100
8		Elective IV Lab.	-	-	2	-	1	-	-	40	60	100
9	CE59898	Comprehensive Viva	-	-	-	-	-	-	-	-	100	100
Total			15	0	8	15	4	350	150	120	280	900

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List of Electives

Elective - I		Semester I
S.No	Subject Code	Subject
1	CE59251	Environmental Ecology, Sanitation and Health
2	CE59252	Applied Statistics and Environmental System Modelling
3	CE59253	Air Pollution & Control Technology

Elective - II		Semester I
S.No	Subject Code	Subject
1	CE59351	Hydrology, Applied Hydraulics & Ground Water
2	CE59352	System Engineering Approach to Environmental Engineering
3	CE59353	Design of PHE Structures

Elective - III		Semester II
S.No	Subject Code	Subject
1	CE59711	Remote Sensing & its Applications to Environmental Engineering
2	CE59712	Environmental Impact Assessment, Case Study & Environmental Laws & Policy
3	CE59713	Environmental Geotechnics

Elective - IV		Semester II
S.No	Subject Code	Subject
1	CE59751	Soild Waste Management
2	CE59752	Numerical & System Methods
3	CE59753	Instrumentation and its applications to Enviromemntal Engineering

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List of Electives (Lab)

Elective - IV Lab.		Semester II
S.No	Subject Code	Subject
1	CE59801	Soild Waste Management Lab.
2		Numerical & System Methods Lab.
3		Instrumentation and its applications to Enviromemntal Engineering Lab.

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SEMESTER - III

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CE59931	*Industrial Training	-	-	8	-	4	-	-	50	-	50
2	CE59932	Dissertation Phase-I	-	-	20	-	10	-	-	40	60	100
3	MA59902	**Research Methodology & IPR	2	-	-	2	-	70	30	-	-	100
Total			2	0	28	2	14	70	30	90	60	250

* Industrial training to be carried out between II and III semester during vacation

** This course can be studied online with prior permission of HOD, however, End-semester examination will be conducted in the Institute.

SEMESTER - IV

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	CE59952	Dissertation Phase-II	-	-	32	-	16	-	-	80	120	200
Total			0	0	32	0	16	0	0	80	120	200