

**M.E.ENVIRONMENTAL ENGINEERING
REGULATION -2021
CHOICEBASED CREDIT SYSTEM
I TO IV SEMESTERS CURRICULAM AND SYLLABI**

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE - 73

SEMESTER I

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
2101EV101	Statistics For Environmental Engineers	3	2	0	4	40	60	100	FC
2102EV102	Environmental Microbiology	3	0	0	3	40	60	100	PCC
2102EV103	Principles and Design of Physico-Chemical Treatment Systems	3	0	0	3	40	60	100	PCC
2102EV104	Environmental Chemistry	3	0	0	3	40	60	100	PCC
	Program Elective-I	3	0	0	3	40	60	100	PEC
2101RMX01	Research Methodology and IPR	3	0	0	3	40	60	100	RMC
	Audit Course-I	2	0	0	0	100	0	100	AC
PRACTICALS									
2102EV105	Environmental Chemistry Laboratory	0	0	4	2	50	50	100	PCC
Total		20	02	4	21	440	460	900	-

SEMESTER II

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
2102EV201	Principles and Design of Biological Treatment Systems	3	2	0	4	40	60	100	PCC
2102EV202	Industrial Waste Management	3	0	0	3	40	60	100	PCC
	Program Elective-II	3	0	0	3	40	60	100	PEC
	Program Elective-III	3	0	0	3	40	60	100	PEC
	Audit Course-II	2	0	0	0	100	0	100	AC
PRACTICALS									
2102EV203	Module Operations and Processes Laboratory	0	0	4	2	50	50	100	PCC
2104EV204	Mini Project with Seminar	0	0	4	2	50	50	100	EEC
Total		14	0	8	17	360	340	700	-

SEMESTER-III

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
	Program Elective-IV	3	0	0	3	40	60	100	PEC
	Program Elective - V	3	0	0	3	40	60	100	PEC
	Open Elective	3	0	0	3	40	60	100	OEC
PRACTICALS									
2104EV301	Project Work - Phase I	0	0	20	10	50	50	100	PCC
Total		9	0	20	19	170	230	400	-

ATTESTED

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SEMESTER-IV

Course Code	Course Name	L	T	P	C	Maximum Marks			Category
						CIA	ES	Total	
PRACTICALS									
2104EV401	Project Work – Phase II	0	0	32	16	50	50	100	EEC
Total		0	0	32	16	50	50	100	-

PROGRAM ELECTIVE COURSES (PEC)

ELECTIVE – I (SEMESTER - I)

SL. NO.	Course Code	Course Title	Category	Periods Per Week			Total Contact Periods	Credits
				L	T	P		
1.	2103EV001	Transport of Water and Waste Water	PEC	3	0	0	3	3
2.	2103EV002	Climate Change and Modeling	PEC	3	0	0	3	3
3.	2103EV003	Computing Techniques in Environmental Engineering	PEC	3	0	0	3	3

ELECTIVE –II &III (SEMESTER-II)

SL. NO.	Course Code	Course Title	Category	Periods Per Week			Total Contact Periods	Credits
				L	T	P		
1.	2103EV004	Air Pollution Monitoring and Control	PEC	3	0	0	3	3
2.	2103EV005	Environmental Biotechnology	PEC	3	0	0	3	3
3.	2103EV006	Environmental System Analysis	PEC	3	0	0	3	3
4.	2103EV007	Solid and Hazardous Waste Management	PEC	3	0	0	3	3
5.	2103EV008	Land Fill Engineering and Remediation Technology	PEC	3	0	0	3	3
6.	2103EV009	Membrane Technologies for Water and Waste Water Treatment	PEC	3	0	0	3	3

ELECTIVE –IV&V (SEMESTER-III)

SL. NO.	Course Code	Course Title	Category	Periods Per Week			Total Contact Periods	Credits
				L	T	P		
1.	2103EV010	Environmental Impact Assessment	PEC	3	0	0	3	3
2.	2103EV011	Remote Sensing and GIS Applications in Environmental Management	PEC	3	0	0	3	3
3.	2103EV012	Water Quality Modeling	PEC	3	0	0	3	3
4.	2103EV013	Resource and Energy Recovery from Waste	PEC	3	0	0	3	3
5.	2103EV014	Noise Pollution and Control Engineering	PEC	3	0	0	3	3
6.	2103EV015	Marine Pollution and Control	PEC	3	0	0	3	3

OPENELECTIVECOURSES [OEC]
(Out of 6 Courses one Course must be selected)

SL. NO.	Course Code	Course Title	Category	Periods Per Week			Total Contact Periods	Credits
				L	T	P		
1.	2103EV016	Research Methodology	OEC	3	0	0	3	3
2.	2103EV017	Environmental Sociology	OEC	3	0	0	3	3
3.	2103EV018	Environmental Instrumentation	OEC	3	0	0	3	3
4.	2103EV019	Cleaner Production and Environmental Management	OEC	3	0	0	3	3
5.	2103EV020	Environmental Policy and Legislation	OEC	3	0	0	3	3

AUDIT COURSES (AC)

SL. NO	Course Code	Course Title	Periods Per Week			Credits
			L	T	P	
1.	2101AU001	English for Research Paper Writing	2	0	0	0
2.	2101AU002	Disaster Management	2	0	0	0
3.	2101AU003	Sanskrit for Technical Knowledge	2	0	0	0
4.	2101AU004	Value Education	2	0	0	0
5.	2101AU005	Constitution of India	2	0	0	0
6.	2101AU006	Pedagogy Studies	2	0	0	0
7.	2101AU007	Stress Management by Yoga	2	0	0	0
8.	2101AU008	Personality Development Through Life Enlightenment Skills	2	0	0	0
9.	2101AU009	Unnat Bharat Abhiyan	2	0	0	0

SUMMARY

M.E ENVIRONMENTAL ENGINEERING						
	Subject Area	Credits Per Semester				Credits Total
		I	II	III	IV	
1.	FC	04	00	00	00	04
2.	PCC	11	09	00	00	20
3.	PEC	05	06	06	00	15
4.	RMC	03	00	00	00	03
5.	OEC	00	00	03	00	03
6.	EEC	00	02	10	16	28
7.	Non Credit/Audit Courses	00	00	-	-	00
	Total Credit	21	17	19	16	73

ATTESTED


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