

JSS SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU - 570 006
SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSURU - 570006
DEPARTMENT OF ENVIRONMENTAL ENGINEERING
SCHEME OF TEACHING AND EXAMINATION FOR B.E. (Env. Engg.)

B.E - (ENVIRONMENTAL ENGINEERING)
III SEMESTER

Course Code	Course Title	Contact hours				Credits	Marks			Exam Duration in Hours
		L	T	P	Total Hours		CIE	SEE	Total	
MA310	Engineering Mathematics-III (Numerical Methods)	4	0	0	4	4	50	50	100	03
EV310	Elements of Environmental Engineering	4	0	0	4	4	50	50	100	03
EV320	Concepts and Applications of Environmental Chemistry	4	0	0	4	4	50	50	100	03
EV330	Environmental Fluid Mechanics-I	4	0	0	4	4	50	50	100	03
EV340	Construction Engineering and Materials	4	0	0	4	4	50	50	100	03
EV350	Survey Engineering	4	0	0	4	4	50	50	100	03
EV36L	Environmental Chemistry Laboratory	-	-	3	3	1.5	50	-	50	03
EV37L	Surveying Practice	-	-	3	3	1.5	50	-	50	03
Total		24	0	6	30	27	Total Marks		700	

L: Lecture; T: Tutorial; P: Practical

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SCHEME OF TEACHING AND EXAMINATION FOR B.E. (Env. Engg.) 2017-18

IV SEMESTER

Course Code	Course Title	Contact hours				Credits	Marks			Exam Duration in Hours
		L	T	P	Total Hours		CIE	SEE	Total	
MA410	Engineering Mathematics-IV	4	0	0	4	4	50	50	100	03
EV410	Sources and Characterization of Environmental Pollution	4	0	0	4	4	50	50	100	03
EV420	Environmental Microbiology and Ecology	4	0	0	4	4	50	50	100	03
EV430	Environmental Fluid Mechanics-II	4	0	0	4	4	50	50	100	03
EV440	Water Resources Engineering	4	0	0	4	4	50	50	100	03
EV450	Geology and Geotechnical Engineering	4	0	0	4	4	50	50	100	03
EV46L	Environmental Microbiology Laboratory	-	-	3	3	1.5	50	-	50	03
EV47L	Environmental Fluid Mechanics Laboratory	-	-	3	3	1.5	50	-	50	03
Total		24	0	6	30	27	Total Marks		700	

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V SEMESTER

Course Code	Course Title	Contact hours				Credits	Marks			Exam Duration in Hours
		L	T	P	Total Hours		CIE	SEE	Total	
EV510	Water Treatment and Supply Engineering	3	2	0	5	4	50	50	100	03
EV520	Wastewater Engineering - I	3	2	0	5	4	50	50	100	03
EV530	Municipal and Bio Medical Waste Management	4	0	0	4	4	50	50	100	03
EV540	Occupational Safety and Health	3	0	0	3	3	50	50	100	03
EV550	Disaster Management	4	0	0	4	4	50	50	100	03
EV560	Remote Sensing and GIS	4	0	0	4	4	50	50	100	03
EV57D	Design and Drawing of Environmental Systems - I	-	-	3	3	1.5	50	-	50	03
EV58L	Environmental Process Laboratory - I	-	-	3	3	1.5	50	-	50	03
Total		22	4	6	32	26	Total Marks		700	

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VI SEMESTER

Course Code	Course Title	Contact hours				Credits	Marks			Exam Duration in Hours
		L	T	P	Total Hours		CIE	SEE	Total	
EV610	Computer Applications in Environmental Engineering	3	2	-	5	4	50	50	100	03
EV620	Wastewater Engineering - II	3	2	-	5	4	50	50	100	03
EV630	Environmental Systems Optimization	4	-	-	4	4	50	50	100	03
EV640	Estimation, Specifications and Financial Aspects.	3	2	-	5	4	50	50	100	03
EV650	Operation and Maintenance of Environmental Facilities	3	-	-	3	3	50	50	100	03
EV66X	Elective - I	4	-	-	4	4	50	50	100	03
EV67D	Design & Drawing of Environmental Systems - II	-	-	3	3	1.5	50	-	50	03
EV68L	Environmental Process Laboratory-II	-	-	3	3	1.5	50	-	50	03
FL	German/French/Japanese	2			2	2				
Total		21	6	6	33	28	Total Marks		700	

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Elective - I

Sl. No.	Course Code	Course Title
1.	EV 661	Energy and Environment
2.	EV 662	Hazardous Waste Technology
3.	EV 663	Life Cycle Analysis and Environmental Risk Assessment

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VII SEMESTER

Course Code	Course Title	Contact hours				Credits	Marks			Exam Duration in Hours
		L	T	P	Total Hours		CIE	SEE	Total	
EV710	Atmospheric Environmental Engineering	3	2	-	5	4	50	50	100	03
EV720	Industrial Wastewater Treatment Technologies	3	2	-	5	4	50	50	100	03
EV730	Environmental Impact Assessment	4	-	-	4	4	50	50	100	03
EV74X	Elective - II	4	-	-	4	4	50	50	100	03
EV75L	Atmospheric Measurements and Software for Environmental Engineering.	-	-	3	3	1.5	50	-	50	03
EV76L	Industrial visits and Innovative Research	-	-	3	3	1.5	50	-	50	03
Total		14	4	6	24	19	Total Marks		500	

Elective - II

Sl. No.	Course Code	Course Title
1.	EV 741	Environmental Statistics - Methods and Applications
2.	EV 742	Environmental Economics, Legislation and Forensics
3.	EV 743	Reactor Design Technology

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VIII SEMESTER

Course Code	Course Title	Contact hours				Credits	Marks			Exam Duration in Hours
		L	T	P	Total Hours		CIE	SEE	Total	
EV810	Transport and Fate of Environmental Pollutants	3	2	-	5	4	50	50	100	03
EV820	Environmental Engineering Management Practices	4	-	-	4	4	50	50	100	03
EV83X	Elective - III	4	-	-	4	4	50	50	100	03
EV840	Seminar on Current Issues	-	-	2	2	1	50	-	50	03
EV850	Project Work	-	-	10	20	10	50	50	100	03
Total		11	2	12	35	23	Total Marks		450	

Elective - III

Sl. No.	Course Code	Course Title
1.	EV 831	Natural Resources Conservation and Management
2.	EV 832	Climate Change and Emission Trading
3.	EV 833	Instrumentation and Automation in Environmental Engineering

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