

JSS SCIENCE AND TECHNOLOGY UNIVERSITY, MYSURU – 570 006
SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING, MYSURU – 570006
DEPARTMENT OF ENVIRONMENTAL ENGINEERING
SCHEME OF TEACHING FOR M.Tech., (ENVIRONMENTAL ENGINEERING)
2019-2020

I SEMESTER

Course Code	Course Title	New Scheme				
		Contact Hours				Credits
		L	T	P	Total Hours	
EVE 110	Applied Environmental Chemistry and Microbiology	4	1	0	5	5
EVE 120	Physico - Chemical Processes for Water Treatment	3	2	0	5	5
EVE 130	Design of Wastewater Treatment Systems	3	2	0	5	5
EVE 14X	Elective I (one of three)	4	1	0	5	5
EVE 15X	Elective II (one of three)	4	1	0	5	5
EVE 160	Technical Seminar on Current Issues	-	-	-	-	1.5
EVE 170	Physico -Chemical Treatment Processes Laboratory	-	-	3	3	1.5
Total		18	7	3	28	28

L: Lecture; T: Tutorial P: Practicals

Elective - I

No.	Course Code	Course Title
1.	EVE 141	Advanced Computational Methods and Optimization
2.	EVE 142	Solid Waste Engineering and Management
3.	EVE 143	Ecology and Environmental Statistics

Elective - II

No.	Course Code	Course Title
1.	EVE 151	Risk Assessment and Hazardous Waste Management
2.	EVE 152	Natural Resources Conservation and Management
3.	EVE 153	Environmental Health and Occupational Safety

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II SEMESTER

Course Code	Course Title	New Scheme – 88 Credits				
		Contact hours				Credits
		L	T	P	TotalHours	
EVE 210	Air Quality Modeling and Design of Air Pollution Control Techniques	3	2	0	5	5
EVE 220	Environmental Legislation and Impact Assessment	4	1	0	5	5
EVE 230	Transport Processes and Modelling	3	2	0	5	5
EVE 24X	Elective III (one of three)	4	1	0	5	5
EVE 25X	Elective IV (one of three)	4	1	0	5	5
EVE 260	Technical Seminar on Current Issues	-	-	-	-	1.5
EVE 270	Biological Treatment Processes Laboratory	-	-	3	3	1.5
Total		18	7	3	30	28

L: Lecture; T: Tutorial P: Practicals

Elective III

No.	Course Code	Course Title
1.	EVE 241	Operation and Maintenance of Environmental Facilities
2.	EVE 242	Design of Advanced Wastewater Treatment Processes
3.	EVE 243	Global Warming and Climatic Change

Elective IV

No.	Course Code	Course Title
1.	EVE 251	Vulnerability Assessment and Disaster Management
2.	EVE 252	Non Point Sources Pollution and Management
3.	EVE 253	Remote Sensing and GIS



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III SEMESTER

Course Code	Course Title	New Scheme				Credits
		Contact hours				
		L	T	P	Total Hours	
EVE 310T	Practical Training in Industry [*] / Exploration Research	-	-	-	-	4
EVE 320P	Dissertation work (Phase-I) [#]	-	-	-	-	10
Total		-	-	-	-	14

* The training is of Eight weeks duration.

Dissertation work comprises of two Reviews.

IV SEMESTER

Course Code	Course Title	New Scheme – 88 Credits				Credits
		Contact hours				
		L	T	P	Total Hours	
EVE 410P	Dissertation work (Phase-II) ^{\$}	-	-	-	-	18
Total		-	-	-	-	18

L: Lecture; T: Tutorial; P: Practical

\$ Dissertation work comprises of three reviews.

Semester Credits

Semester	New Scheme
First	28
Second	28
Third	4 + 10
Fourth	18
Total Credits	88