

**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., (HEALTH SCIENCE & WATER ENGINEERING)**  
**2021-2022**

Course Code	Course Title	New Scheme				
		Contact Hours				Credits
		L	T	P	Total Hours	
EVH 110	Applied Anatomy and Physiology	4	0	2	6	5
EVH 120	Applied Microbiology and Public Health	4	0	2	6	5
EVH 130	Design of Water Treatment Processes and Distribution System	3	2	0	5	5
EVH 14X	<b>Elective I</b>	4	1	0	5	5
EVH 15X	<b>Elective II</b>	4	1	0	5	5
EVH 160	Technical Seminar on Current Issues	-	-	-	-	1.5
EVH 170	Physico- Chemical Processes laboratory	-	-	3	3	1.5
<b>Total</b>		<b>19</b>	<b>4</b>	<b>7</b>	<b>30</b>	<b>28</b>

**L: Lecture; T: Tutorial P: Practical**

**Elective - I**

No.	Course Code	Course Title
1.	EVH 141	Human Resource Management in Health Care and Ethics
2.	EVH 142	Advanced Water Resources Engineering
3.	EVH 143	Transport Processes and Modeling

**Elective - II**

No.	Course Code	Course Title
1.	EVH 151	Occupational Safety and Health
2.	EVH 152	Advanced Computational Methods and Optimization
3.	EVH 153	Air & Noise Pollution and Control

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**II SEMESTER**

Course Code	Course Title	New Scheme				
		Contact Hours				Credits
		L	T	P	Total Hours	
EVH 210	Design of Wastewater Treatment Systems	3	2	0	5	5
EVH 220	Epidemiology and Risk Assessment	4	1	0	5	5
EVH 230	Municipal and Biomedical Waste Management	3	2	0	5	5
EVH 24X	Elective III	3	2	0	5	5
EVH 25X	Elective IV	4	1	0	5	5
EVH 260	Technical Seminar on Current Issues	-	-	-	-	1.5
EVH 270	Biological Wastewater Treatment Processes laboratory	-	-	3	3	1.5
<b>Total</b>		<b>17</b>	<b>8</b>	<b>3</b>	<b>28</b>	<b>28</b>

**L: Lecture; T: Tutorial P: Practical**

**Elective III**

No.	Course Code	Course Title
1.	EVH 241	Medical Statistics and Health Care Administration
2.	EVH 242	Operation and Maintenance of Environmental Facilities
3.	EVH 243	Design of Advanced Wastewater Treatment Processes

**Elective IV**

No.	Course Code	Course Title
1.	EVH 251	Water Recovery, Reuse and Recycle Technology
2.	EVH 252	GIS for Health Care Management
3.	EVH 253	Health Care Policy and Legislation

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**III SEMESTER**

Course Code	Course Title	New Scheme				
		Contact hours				Credits
		L	T	P	Total Hours	
EVH310T	Practical Training in Industry * / Exploration Research	-	-	-	-	4
EVH320P	Dissertation Work(Phase-I) <sup>#</sup>	-	-	-	-	10
<b>Total</b>		-	-	-	-	<b>14</b>

\* The training is of Eight weeks duration. # Dissertation work comprises of two Reviews.

**IV SEMESTER**

Course Code	Course Title	New Scheme				
		Contact hours				Credits
		L	T	P	Total Hours	
EVH410P	Dissertation Work(Phase-II) <sup>\$</sup>	-	-	-	-	18
<b>Total</b>		-	-	-	-	<b>18</b>

**L: Lecture; T: Tutorial; P: Practical**

<sup>\$</sup> Dissertation work comprises of three reviews.

**Semester Credits**

Semester	New Scheme
First	28
Second	28
Third	4 + 10
Fourth	18
<b>Total Credits</b>	<b>88</b>