Chhattisgarh Swami Vivekanand Technical University, Bhilai

SCHEME OF TEACHING AND EXAMINATION

M.E. (First Semester) Chemical Engineering (Environmental Engineering)

i.No.	Board of	Code	Subject	Pe	riods week	•		me of ry / Pra		Grand	Credits
	Studies		·	L	Т	Р	ESE	СТ		Total	4 4 4 4 4 2 2
1	Chem. Engg	530111 (19)	Principals of Environmental Engg.	3	1	-	100	20	20	140	4
2	Chem. Engg	530112 (19)	Air Pollution Control	3	1	-	100	20	20	140	4
3	Chem. Engg	530113 (19)	Environment System Optimization	3	1	-	100	20	20	140	4
4	Chem. Engg	530114 (19)	Water Pollution Control	3	1	-	100	20	20	140	4
5	Refer Table - I	Elective-I		3	1	-	100	20	20	140	4
6	Chem. Engg.	530121 (19)	Air Pollution Control -Lab	-	-	3	75	-	75	150	2
7	Chem. Engg.	530122 (19)	Water Pollution Control - Lab	-	-	3	75	ı	75	150	2
	Total			15	5	6	650	100	250	1000	24

ESE: End Semester Examination CT: Class Test TA: Teacher's Assessment

L: Lecture T: Tutorial P: Practical

Table - I

		Elective – I	
S.No.	Board of Studies	Code	Subject
1	Chemical Engg.	530131 (19)	Energy & Environment
2	Chemical Engg.	530132 (19)	Natural Resource Management
3	Chemical Engg.	530133 (19)	Introduction to ANN & Ex. Sy.

Note (1) – 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.

Note (2) – Choice of elective course once made for an examination cannot be changed in future examinations.

Chhattisgarh Swami Vivekanand Technical University, Bhilai

SCHEME OF TEACHING AND EXAMINATION

M.E. (Second Semester) Chemical Engineering (Environmental Engineering)

.No.	Board of	Code	Subject	Pe	riods week				/ Flactical		Credits
	Studies		,	L	Т	Р	ESE	СТ		Total	L+(T+P)/2
1	Chem. Engg	530211 (19)	Environment System Modeling	3	1	-	100	20	20	140	4
2	Chem. Engg	530212 (19)	Natural & Industrial Disaster Management	3	1	-	100	20	20	140	4
3	Chem. Engg	530213 (19)	Environmental Policy & Legislation	3	1	-	100	20	20	140	4
4	Chem. Engg	530214 (19)	Environmental Measurement & Impact Assessment	3	1	-	100	20	20	140	4
5	Refer Table - II	Elective-II		3	1	-	100	20	20	140	4
6	Chem. Engg.	530221 (19)	Natural & Industrial Disaster Management - Lab	-	-	3	75	-	75	150	2
7	Chem. Engg.	530222 (19)	Environmental Measurement & Impact Assessment -Lab	-	-	3	75	-	75	150	2
	Total			15	5	6	650	100	250	1000	24

ESE: End Semester Examination CT: Class Test TA: Teacher's Assessment

L: Lecture T: Tutorial P: Practical

Table - II

	Elective – II									
S.No.	Board of Studies	Code	Subject							
1	Chemical Engg.	530231 (19)	Advanced Water Supply Engg.							
2	Chemical Engg.	530232 (19)	Membrane Separation Technology							
3	Chemical Engg.	530233 (19)	Environment Statistics & Data Base Management System							

- Note (1) 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.
- Note (2) Choice of elective course once made for an examination cannot be changed in future examinations.

Chhattisgarh Swami Vivekanand Technical University, Bhilai

SCHEME OF TEACHING AND EXAMINATION

M.E. (Third Semester) Chemical Engineering (Environmental Engineering)

NT.	D	C. I.	S. L.	Pe	riods j week			100 20 20	Grand	Grand Credits	
.No.	Board of Studies	Code	Subject	L	Т	P	ESE	СТ		Total	L+(T+P)/2
1	Chemical Engg.	530311(19) Nanotechnology		3	1	1	100	20	20	140	4
2	Refer Table -III	Elective - III		3	1	1	100	20	20	140	4
3	Chemical Engg.	530321(19)	530321(19) Preliminary Work On Dissertation		-	30	100	-	100	200	15
4	Chemical Engg.	530322(19)	Seminar based on Dissertation	-	-	2	-	-	20	20	1
Total				6	2	32	320	40	140	500	24

ESE: End Semester Examination CT: Class Test TA: Teacher's Assessment L: Lecture

T: Tutorial P: Practical

Table - III

	Elective – III										
S.No.	Board of Studies	Code	Subject								
1	Chemical Engg.	530331 (19)	Non Conventional Energy Sources								
2	Chemical Engg.	530332 (19)	Down Stream Processing								
3	Chemical Engg.	530333 (19)	Environmental Biotechnology								

- Note (1) 1/4th of total strength of students subject to minimum of twenty students is required to offer an elective in the college in a Particular academic session.
- Note (2) Choice of elective course once made for an examination cannot be changed in future examinations.

Chhattisgarh Swami Vivekanand Technical University, Bhilai SCHEME OF TEACHING AND EXAMINATION

M.E. (Fourth Semester) Chemical Engineering (Environmental Engineering)

		CODE	SUBJECT	SUBJECT		SUBJECT		1 crious per		Scheme of Exam			GRAND	Credits
S.No. Board of Studies		20202	L	Т	P	ESE	СТ		TOTAL	L+ (T+P)/2				
1	Chemical Engg.	530421(19)	Dissertation + seminar	6	1	34	300	1	200	500	23			
		Total		6	-	34	300	-	200	500	23			

ESE: End Semester Examination CT: Class Test TA: Teacher's Assessment L: Lecture

T: Tutorial P: Practical