



SANDIP
UNIVERSITY

School of Engineering and Technology
Department of Civil Engineering

Course – M.Tech Environmental Engineering
Semester – I

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PEN101	Environmental Chemistry & Micro Biology	4	-	-	4	50	-	100	-	100
2	PC	PEN102	Physico Chemical Processes	4	-	-	4	50	-	100	-	100
3	PC	PEN103	Sustainable Waste Management System	4	-	-	4	50	-	100	-	100
4	UC	17RDP101	Research Methodology	4	-	-	4	50	-	100	-	100
	Elective-I			4	-	-	4	50	-	100	-	100
5	PE	PENE01	Environmental Auditing									
6	PE	PENE02	Geoenvironmental Engineering									
7	PE	PENE03	Environmental Policies and Legislations									
8	PE	PENE04	Biological Process									
9	PC	PEN111	Environmental Engg. Lab-I	-		4	2	-	50	-	50*	100
TOTAL				20	-	4	22	250	50	500	50	600

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Seminar Presentation
		CIA 4	10%	Research Based Activity
		TOTAL	50%	





School of Engineering and Technology
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**Course –M.Tech Environmental Engineering
Semester – II**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PEN201	Solid and Hazardous Waste Management	4	-	-	4	50	-	100	-	100
2	PC	PEN202	Environmental Impact Assessment	4	-	-	4	50	-	100	-	100
3	PC	PEN203	Industrial Waste Management	4	-	-	4	50	-	100	-	100
4	PC	PEN204	Air Pollution & Control	4	-	-	4	50	-	100	-	100
	Elective-II			4	-	-	4	50	-	100	-	100
5	PE	PENE05	Waste Water Treatment and Design									
6	PE	PENE06	Industrial safety and Environment									
7	PE	PENE07	Cleaner Production and Environmental Sustainable Management									
8	PE	PENE08	Global Climatic Changes and Disaster Management									
9	PC	PEN211	Environmental Eng. Lab-II	-	-	4	2	-	50	-	50*	100
TOTAL				20	-	4	22	250p	50	500	50	600

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Seminar Presentation
		CIA 4	10%	Research Based Activity
		TOTAL	50%	





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Program –M.Tech Environmental Engineering
Semester – III

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PEN311	Presentation Stage -I	-	-	10	10	-	50	-	50	100
2	PC	PEN312	Presentation Stage -II	-	-	10	10	-	50	-	50	100
TOTAL				-	-	20	20	-	100	-	100	200

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Research Based Learning (Seminar Presentation)
		CIA 4	10%	Behavioural Attitude + General Discipline (Theory +Practical Attendance)
		CIA TOTAL	50 %	
Written Examination - End Semester		Exam (ESE)	50 %	
		TOTAL	100%	

BoS Chairman Civil Engineering





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School of Engineering and Technology
Department of Civil Engineering

**Program –M.Tech Environmental Engineering
Semester – IV**

Sr. No.	Core	Course Code	Course Name	Teaching Scheme (Hrs./Week)				Examination Scheme				Total Marks
				L	T	P	C	Formative Assessment CIA		Summative Assessment ESE		
								Course	Lab	Course	Lab	
1	PC	PEN411	Presentation Stage -III	-	-	10	10	-	50	-	50	100
2	PC	PEN412	Final Presentation and Viva Voce	-	-	10	10	-	100	-	100	200
TOTAL				-	-	20	20	-	150	-	150	300

CIA: Continuous Internal Assessment L: Theory Lecture T: Tutorial P: Practical TH: Theory Exam.	#: Internship for 15 days. *: Oral Examination UC: University Core PC: Programme Core PE: Programme Elective	CIA	Weightage	Description
		CIA 1	10%	Home Assignment
		CIA 2	20%	Mid-Term Exam (MTE)
		CIA 3	10%	Research Based Learning (Seminar Presentation)
		CIA 4	10%	Behavioural Attitude + General Discipline (Theory +Practical Attendance)
		CIA TOTAL	50 %	
Written Examination - End Semester		Exam (ESE)	50 %	
		TOTAL	100%	

