

NATIONALLY HARMONISED B.Sc. CHEMICAL ENGINEERING PROGRAM				
Course Code	ChEg 5232			
Course Name	Solid and Hazardous Wastes Management			
Degree Program	B.Sc. in Chemical Engineering			
Module Name	Environmental Engineering			
Module Coordinator	N.N.			
Lecturer	TBA			
ECTS Credits	5CP			
Contact Hours (per week)	Lecture	Tutorial	Laboratory or Practice	Home study
	3	0	0	5
Students load per semester	48	-	-	80
MODE OF DELIVERY	Semester wise			
Course Objectives & Competences to be Acquired	<p>The course aims to introduce the students with the basic concept of solid waste treatment method and discharge standards to meet the requirement.</p> <p>After completion of the course the student will be able to:</p> <ol style="list-style-type: none"> 1. Classify solid and hazardous wastes. 2. Select handling technologies of solid and hazardous wastes 3. Design solid and hazardous waste management and control strategies 			
Course Description/Course Contents	<ol style="list-style-type: none"> 1. sources and characteristics of solid and hazardous wastes <ol style="list-style-type: none"> 1.1. legal aspects 1.2. significance of hazardous wastes as air, water, 			

	<p>and soil pollutants</p> <p>2.principles and applications of conventional and specialized solid and hazardous waste control strategy</p> <p>2.1.control technologies</p> <p>2.2.management options of solid and hazardous waste</p> <p>2.3. Economics of the on-site vs. off- site</p> <p>3.waste management options</p> <p>3.1 Integrated waste management</p> <p>3.2.other management strategy</p>
Pre-requisites	None
Semester	Year V, Semester II
Status of Course	Elective
Teaching & Learning Methods	Lectures, assignment
Assessment/Evaluation	<p>Continuous Assessment.....50%</p> <ul style="list-style-type: none"> • Tests.....10% • Assignment.....(3x10)30% • quiz.....10% <p>Final exam.....50%</p>
Attendance Requirements	Based on the Nationally harmonized Legislation
Course Policy	<p>Attendance: As per nationally harmonized academic policy</p> <p>Assessments: students are supposed to handle all assessments on time.</p> <p>Cheating/plagiarism: it is strictly forbidden and any misconduct is accountable per the students' code of conduct.</p>
Literature	<p>Text Book/</p> <p>1.William C. Jr. Blackman, Basic Hazardous Waste Management, 3rd ed. CRC Press</p>

	<ul style="list-style-type: none">• Reference Books
Approval section	Course chair