

NATIONALLY HARMONISED B.Sc. CHEMICAL ENGINEERING PROGRAM				
Course Code	ChEg5222			
Course Name	Energy Utilization and Audit			
Degree Program	B.Sc. in Chemical Engineering			
Module Name	Elective (Process Engineering)			
Module Coordinator	N.N.			
Lecturer	TBA			
ECTS Credits	5			
Contact Hours (per week)	Lecture	Tutorial	Laboratory or Practice	Home study
	2	2	0	4
Student Semester wise	32	32	-	64
Mode of delivery	Parallel/semester wise			
Course Objectives & Competences to be Acquired	The course aims to introduce students with efficient utilization of utilities and how to conduct an energy Audit on process industries. After completion of this course: • The student will be able to evaluate energy utilization of a processing unit • The student will be able to conduct energy audit for a processing unit • The student will be able to set possible corrective action for inefficient energy usage			
Course Description/Course Contents	Energy utilization, Energy auditing,			
Pre-requisites	None			
Semester	Year 5, Semester I			
Status of Course	Elective			
Teaching & Learning Methods	Lectures, tut, project work			
Assessment/Evaluation	Continuous Assessment.....50%			

	• Assignments.....(2x5)10% • Quizzes.....(2x5)10% • Project.....30% Final exam.....50%
Course Policy	Attendance: As per nationally harmonized academic policy Assessments: students are supposed to handle all assessments on time. Cheating/plagiarism: it is strictly forbidden and any misconduct is accountable per the students' code of conduct.
Literature	
Approval Section	Module team/course chair