

Republic of Iraq
The Ministry Of Higher Education
& Scientific Research



University: Diyala
College: Engineering
Department: Chemical Engineering
Stage: 2nd
Lecturer name: Ali Alwan Hasan
Qualification: M.Sc. Chemical Eng.
Place of work: Chemical Eng, Dept.

Flow up of implementation celli pass play

Course Instructor	Ali Alwan Hasan				
E-mail					
Title	Environmental Pollution				
Course Coordinator	Annually				
Course Objective	This subject is used to teach students the types of pollutions in Chemical Engineering from industrial side view.				
Course Description	Air pollution , Water pollution and Solid Waste treatments				
Textbook	<ol style="list-style-type: none"> ١. S.P. Mahajan, "Pollution Control in Process Industries", Tata-McGraw Hill, ١٩٨٥. ٢. N. L. Nemerow, "Liquid waste of Industry - Theories, Practices and Treatment", Addison Wesley, New York, ١٩٧١. ٣. W. J. Weber, "Physico-Chemical Processes for Water Quality Control", Wiley Interscience, New York, ١٩٦٩. 				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(٤٠%)	As(١٠%)	As(١٠%)	-	As(٦٠%)
General Notes	٢ hrs theoretical				

Course Weekly Outline

Week	Date	Topes Covered	Lab. Experiment Assignments	Notes
١	٢١/٩/٢٠١٤	Introduction to Air pollution		
٢	٢٨/٩/٢٠١٤	Sources of air pollutions		
٣	٥/١٠/٢٠١٤	Acidic rains		
٤	١٢/١٠/٢٠١٤	Global Home		
٥	١٩/١٠/٢٠١٤	Specific air measurements		
٦	٢٦/١٠/٢٠١٤	Suspended particles,		
٧	٢/١١/٢٠١٤	Gases, effect on human health		
٨	٩/١١/٢٠١٤	Industrial safety, , Dangers		
٩	١٦/١١/٢٠١٤	Safety terms in equipments		
١٠	٢٣/١١/٢٠١٤	Effect of radioactive materials		
١١	٣٠/١١/٢٠١٤	Chemical effects, Biological effects		
١٢	٧/١٢/٢٠١٤	Storage of chemicals, Industrial safety		
١٣	١٤/١٢/٢٠١٤	fires and their causes		
١٤	٢١/١٢/٢٠١٤	Fire alarm systems		
١٥	٢٨/١٢/٢٠١٤	Fires of fine solid particles		
١٦				
Half – year break				
١٧	١٥/٢/٢٠١٥	Introduction to Water pollution		
١٨	١٩/٢/٢٠١٥	Specific measurement of water		
١٩	٢٢/٢/٢٠١٥	Wastewater Treatment		
٢٠	١/٣/٢٠١٥	Classification of wastewater		
٢١	٨/٣/٢٠١٥	Types of water pollutants and their effects		
٢٢	١٥/٤/٢٠١٥	The most important utilizations		
٢٣	٢٢/٣/٢٠١٥	COD, BOD		
٢٤	٢٩/٣/٢٠١٥	Supply and treatment of water		
٢٥	٥/٤/٢٠١٥	purification of water		
٢٦	١٢/٤/٢٠١٥	Salt removal		
٢٧	١٩/٤/٢٠١٥	Treatment of heavy water of city		
٢٨	٢٦/٤/٢٠١٥	Treatment of industrial water		
٢٩	٣/٥/٢٠١٥	Solid Waste Management		
٣٠	١٠/٥/٢٠١٥	Classification of solid wastes		

۳۱	۱۷/۵/۲۰۱۵	Solid waste disposal methods		
۳۲	۲۴/۵۲۰۱۵			

INSTRUCTOR Signature: A. A. H.

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