

Course) *		معلومات المقرر
اسم المقرر:	التلوث البيئي	
رقم المقرر:	CHM-251	
اسم ورقم المتطلب السابق:	-	
اسم ورقم المتطلب المرافق:	-	
مستوى المقرر:	المستوى الرابع	
الساعات المعتمدة:	2	
Module Title:	Environmental Chemistry	
Module ID:	CHM-251	
Prerequisite (Co-requisite):	-	
Co-requisite:	-	
Course Level:	4 th level	
Credit Hours:	2	

(Information

Module Description

وصف المقرر :

The course interested in studying some of the elements of environmental pollution such as solid, liquid and gaseous pollutants, noise and radioactive pollutants and their impact on the organism. Studying the source and effects of water pollutants, source and effects of air pollutants and their classifications, source and effect of soil pollutants, source of noise pollutants, and source and effect of ionizing radiation.

Module

أهداف المقرر :

Aims

1	Studying the concept of environmental pollution and their elements.	
2	Studying the types of solid, liquid, and gaseous pollutants.	
3	Studying the source and effects of water pollutants.	
4	Studying the source and effects of air pollutants.	
5	Studying the source and effect of soil pollutants.	
6	Studying the source and effect of noise pollutants.	
7	Studying the source and effect of ionizing radiation.	

Learning

مخرجات التعليم:

Outcomes:

1.1	Define the environmental pollutants and the potential effect of various forms of pollution on public health.
1.2	Memorize the sources and effects of water, air, soil, noise, and radiation pollutants.





1.3	Recognize greenhouse effect, ozone depletion, photochemical smog, aerosols, and acid - rain.	
2.4	Explain the prevention and control of environmental pollutants.	
3.2	Demonstrate the ability of working independently and with groups.	
3.3	Demonstrate ability to handle stressful situations calmly and efficiently	

محتوى المقرر Course Contents :

Contents :

ساعات التدريس (Hours)	عدد الأسابيع (Weeks)	قائمة الموضوعات (Subjects)
6	3	Water pollution: 1. Introduction. 2. Water pollutants: sources and effects. 3. Prevention and control of water pollution.
10	5	Air pollution: 1. Introduction. 2. Air pollutants and their classification. 3. Sources and effects of air pollutants. 4. Greenhouse effect. 5. Ozone depletion. 6. Photochemical smog. 7. Aerosols. 8. Acid - rain. 9. Control of air pollution.
6	3	Soil pollution: 1. Introduction. 2. Sources and effects of soil pollution. 3. Effects of soil pollutants. 4. Prevention and control of soil pollution.
2	1	Noise pollution: 1. Introduction. 2. Sources of noise pollution. 3. Control of noise pollution.
4	2	Radiation pollution: 1. Introduction. 2. Concepts of nuclear chemistry and terms used in radiations ecology. 3. Sources of ionizing radiations. 4. Effects of ionizing radiations.

الكتاب المقرر والمراجع المساندة: Textbook and

References:

ISBN	سنة النشر Publishing Year	اسم الناشر Publisher	اسم المؤلف (رئيسي) Author's Name	اسم الكتاب المقرر Textbook title
9789380428024	2010	Narendra Pub	P.Panday, Bhola Mahato, R.K. Singh, L.B. Singh and B.N. Pandey	A Text Book Environmental Pollution

Some information about the course and the department is given below.

Department of Chemistry
College of Science
University of Baghdad

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	سنة النشر Publishing Year	اسم الناشر Publisher	اسم المؤلف (رئيسي) Author's Name	اسم المرجع Reference
9788121923859	2012	S. Chand Publishing	R K Khitoliya	Environmental pollution- Management and control for sustainable development
10: 0521736692	2013	Amazon	Marquita K. Hill	Understanding Environmental Pollution



