

Course Weekly Outline

Course Instructor	Prof. Dr. Raad Abdel-Kareem Hamdan Al-Tamimi				
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Title	Water awareness				
Course Number	WAUA117				
Credits:	1				
Lectures Hours:	1				
Practical Hours:	0				
Course Objective	Identify the water sections, awareness of how to use water, rationalize water consumption, identify the risks of using some water, the risks of water pollution in public health and environment.				
Course Description	Water sections, rationalize water consumption, physical properties of water, chemical properties of water, water pollution, Suitability of water for different uses.				
Prequests	General chemistry				
Textbook References	Al-Tamimi, Raad A. 2015. Environmental Chemistry of Fresh Water. Ministry of Higher Education and Scientific Research. (In Arabic)				
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (40%)	-	As (10%)	----	As (50%)
General Notes	Quizzes				

Course weekly Outline

week	Date	Topics Covered	Practical Part
1	27/2/2024	Water sections	
2	5/3/2024	rationalize water consumption	
3	12/3/2024	Physical properties of water	
4	19/3/2024	Chemical properties of water	
5	26/3/2024	Chemical properties of water	
6	2/4/2024	First Exam.	
7	9/4/2024	Water pollution, Water division for the view point of safety, Types of pollutant, Source of pollutant.	
8	16/4/2024	Negative effect of water pollutant: Salinity, low oxygen, pH change, Temperature, Calcium and Magnesium	
9	23/4/2024	Negative effect of water pollutant: Sodium, chloride, sulphate, nitrate and nitrite, Ammonium, fluoride, iron, boron, phosphate.	
10	30/4/2024	Negative effect of water pollutant: Copper, manganese, zinc, chromium, aluminum, lead, mercury, arsenic, ray, pesticide, disease cuses, organic substances, detergent.	
11	7/5/2024	Sutability of water for different uses: Sutability of water of domestic uses and drinkg	
12	14/5/2024	Water Sutability criteria for drinking	
13	21/5/2024	Second Exam.	
14	28/5/2024	Agricultural uses: Water sutability for Irrigation, rationalization of water in agricultural uses- Water Sutability criteria for industrial uses, rationalization of water in industrial uses.	
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Instructor Signature:

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