Date:	Examination No.:	Version: 1/9/2019	Start: 12/9/2021
Module Name - Code	Environmental Engineering – WRE2024		
Module Language:	English		
Responsible:	Enas Saad Fakhrey / M.Sc.		
Lecturer (s):	Enas Saad Fakhrey / M.Sc. Binahi Mohammad Amin Said Ali		
Contact	wa.wqp@su.edu.krd binahi.saidali@su.edu.krd		
College:	College of Engineering – Salahaddin University		
Duration:	15 weeks – 1st semester		
Course outcomes:	The course was designed to: 1. Introduce the basic knowledge about water formation and exists. 2. Inspire the students to think clearly about the pleasant that called water and its importance in our life. Water enters almost all life's fields. 3. River water quality analysis is ultimately performed to ensure safety—specifically, that certain chemical, physical, and biological parameters are within safe limits. Polluted water has many negative effects like threatening fish and shellfish, concentrating pollutants in the food chain, and endangering drinking water. 4. The main problem caused by water pollution is that it kills organisms that depend on these water bodies. Dead fish, crabs, birds and sea gulls, dolphins, and many other animals often wind		
Course Content:	The outcomes of the course are: - Learn the basic scientific concepts and principles of water, its exits or cycle. - Become familiar with some of the different parameters that are important to identify the water clearness. - Develop critical thinking skills and a basic understanding of how the science works. - The terminology that used throughout the course will require students to learn a new language. - Enrich the understanding of the planet we depend upon for our survival. - Broaden student's perspective of the relationship between humans and their environment. - The contents of the course are designed to fulfill labor market needs.		
Literature:	1. Introduction to Environmental Engineering, By: Mackenzie L. Davis and David A. Cornwell. 2. Fundamentals of Environmental Engineering, By: Danny D. Reible 3. Air Pollution Control Theory, By: Martin Crawford 4. Ground Water Treatment Technology, By: Evan K. Nyer 5. Water and Waste Water Technology, By: Mark J. Hammer 6. https://www.water-pollution.org.uk/		
Type of Teaching:	3 hrs. theoritical		
Pre-requisites:			
Frequency:	Semester		

Requirements for credit points:	For the award of credit points, it is necessary to pass the module exam. The module exam contains: daily and Final Semester Exams Daily Requirements (Assessments, Quizzes, Daily Activities and etc.) **Student's attendance is required in all classes**.
Credit point:	5
Grade Distribution:	The Grade is generated from the examination result(s) with the following weights (w): Oral/Written [w: 1]
Work load:	The workload is 120 hrs. It is the result of 60 hrs. attendance and 60 hrs. self-studies.