

Date:	Examination No.: 15367	Version:1/9/2019	Start: 1/9/2022
Module Name - Code	Water Supply and Sewerage - 6127		
Module Language:	English		
Responsible:	Lecturer Dr. Reem AbdulHakim Alrawi		
Lecture (s):	Dr. Reem AbdulHakim Alrawi M. Enas Saad		
College:	College of Engineering – Salahaddin University		
Duration:	15 week – 1 semester		
Course outcomes:	At the end of the semester, students would be able to understand: Water supply system and forecasting population, Pipes and pipe stresses, Quantity and quality of water and wastewater, Collection system and distribution system of water		
Course Content:	Fundamental consideration of water supply source, Quantity of water demand and Fire demand, Population forecasting, Introduction to Pipes, Pipe fittings, Stresses in Pipes, Water Hammer in pipes & Capacity of pipes, Water quality and analysis		
Literature:	<ul style="list-style-type: none"> - Steel & McGhee, "Water Supply and Sewerage", McGraw Hill International Edition, 5th Edition 1979. - McGhee, Terence J., "Water Supply and Sewerage", McGraw Hill International Edition, 6th Edition 1991. - B.C. Punmia, Ashok Kr. Jain, Arun Kr. Jain. "Water Supply Engineering". 2005. - Harry E. Hickey. "Water Supply Systems & Evaluation Methods. Volume I: Water Supply System Concepts". 2008 		
Type of Teaching:	2 hrs in lectures 2 hrs laboratory working.		
Pre-requisites:			
Frequency:	Yearly in fall semester		
Requirements for credit points:	<p>For the award of credit points it is necessary to pass the module exam.</p> <p>The module exam (practical and theoretical) contains:</p> <p>[Written 120 min for theoretical]</p> <p>[Written 45 min for practical]</p> <p>Student's attendance is required in all classes.</p>		
Credit point:	5		
Grade Distribution:	<p>The Grade is generated from the examination result(s) with the following</p> <p>10% Activities (class work, quizzes, assignments)</p> <p>20% Theoretical Exams</p> <p>20% Practical</p> <p>20% Final practical exam</p> <p>30% Final theoretical Exam</p>		
Work load:	The workload is 150h. It is the result of 60h attendance and 90h self studies.		