

Date:	Examination No.: 15367	Version:10/9/2023	Start: 10/9/2023
Module Name - Code	Concrete Technology - 1113		
Module Language:	English		
Responsible:	Lecturer Dr. Muhammad Ismaiel Omer		
Lecture (s):	Assistant Prof. Dr. Dilshad Khdir Hamad & Lecturer Dr. Muhammad Ismaiel Omer		
College:	College of Engineering – Salahaddin University		
Duration:	15-week – Fall semester		
Course outcomes:	The course provides the students with an excellent background to pursue graduate study or to enter directly into professional practice in the concrete industry, either in the private sector or ruled by the government after graduation. There are many companies that produce concrete and contribute to the construction of many kinds of structures, such as buildings, bridges, airport runways, driveways and parking lots, water tanks, retaining walls, dams, etc. The students will understand what concrete is and what the materials with their relative proportions required for making good quality concrete		
Course Content:	Constituent materials, Portland cement, Types of cement, supplementary cementitious materials, Aggregate, fresh concrete, hardened concrete, and concrete mix design.		
Literature:	Properties of Concrete by A. M. Neville 5th edition Concrete technology, by J, J Brooks and A. M Neville		
Type of Teaching:	2 hours of lectures (theory) in class 2 hrs Practical Lectures in the Concrete Lab.		
Pre-requisites:			
Frequency:	Yearly in the fall semester		
Requirements for credit points:	For the award of credit points, the following requirements are necessary: Coursework: 30% including (one written exam + quiz + Homework). Coursework: 20% practical work this includes exams + reports. Final exam: 50% Theoretical written exam <b>Student attendance is also required in all classes.</b>		
Credit point:	5		
Grade Distribution:	The Grade is distributed as follows: Theoretical part course work: 30% [ 1 written exam + quiz + Homework] Practical part course work: 20% [1 written exam + weekly reports] Final exam: 50% [ written exam]		
Workload:	The workload is 150 hours. It is the result of 60 hours of attendance and 90 hours of self-studies.		