

Date:	Examination No.: 15367	Version:10/9/2023	Start: 10/9/2023
Module Name - Code	Design of Reinforced Concrete Structures - 1135		
Module Language:	English		
Responsible:	Prof. Dr. Omar Qarani Aziz		
Lecture (s):	Prof. Dr. Omar Qarani Aziz & Lecturer Dr. Muhammad Ismaiel Omer		
College:	College of Engineering – Salahaddin University		
Duration:	15 weeks – 1 semester		
Course outcomes:	Emphasis is placed on understanding structural behavior and the background to the design methods in ACI code. By the end of this module, students will have a good understanding of the design and behavior of reinforced concrete buildings.		
Course Content:	Two-way slabs, DDM, EFM, YLT, Shear wall		
Literature:	<p>1-Building code requirements for structural concrete-ACI 318M-19 and Commentary', by American Concrete Institute ACI 318, 2019.</p> <p>2-Design of concrete structures by Nilson, Darwin, and Dolan, 14th edition, 2010, SI version McGraw-Hill Companies.</p> <p>3-Structural Concrete Theory and Design by M. Nadim Hassoun and Akthem Al-Manaseer, 7th edition, 2020, Wiley.</p>		
Type of Teaching:	<p>2 hours of lectures (Theory) in class</p> <p>2 hrs of lectures (Tutorial) in the class.</p>		
Pre-requisites:	Reinforced Concrete		
Frequency:	Yearly in the fall semester		
Requirements for credit points:	<p>For the award of credit points, the following requirements are necessary:</p> <p>Coursework: 20% includes (Classroom activities +quizzes + Homework).</p> <p>Coursework: 20% Mid-term exam.</p> <p>Final exam: 60% Final exam</p> <p>Student attendance is also required in all classes.</p>		
Credit point:	5		
Grade Distribution:	<p>The Grade is distributed as follows:</p> <p>Theoretical part course work: 40% [1 written exam + classroom activities + quiz + Homework]</p> <p>Final exam: 60% [written exam]</p>		
Workload:	The workload is 150 hours. It is the result of 60 hours of attendance and 90 hours of self-studies.		