Date:	Examination No.:	Version:2/9/2023	Start: 11/9/2023
Module Name - Code	Design of Reinforced Concrete Bridges - 1140		
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 week – 1 semester		
Course outcomes:	To give final stage students a good understanding about the design and behavior of Reinforced Concrete Bridges. We will look at the design of Concrete bridges in detail with particular emphasis on the design of several types of reinforced concrete Bridges according to AASHTO LRFD.		
Course Content:	Introduction, analysis and design of R.C. Bridges such as Deck slab bridge, T-beam concrete bridge, Box girder bridge and Box culvert bridge.		
Literature:	1-ACI 318M-19" Building code requirements for structural concrete" Farmington Hills, 2019. 2-AASHTO Specifications, "Standard Specifications for Highway Bridges "2017 3-W.F.Chen "Handbook of Structural Engineering" New York, 2005. 4-Other related to the Topics and published in 21st century.		
Type of Teaching:	2 hrs of lectures (Theory) in class 2 hrs of lectures (Tutorial) in the class.		
Pre-requisites:	Reinforced Concrete		
Frequency:	Yearly in fall semester		
Requirements for credit points:	For the award of credit points, the following requirements are necessary: Course work: 15%, this includes (Class room activities +quizzes + Home works). Coursework: 25%, Mid-term exam. Final exam: 60% Final exam **Student attendance is also required in all classes**.		
Credit point:	5		
Grade Distribution:	The Grade is distributed as follows: Theoretical part course work: 40% [1 written exam + class room activities + quizzes + Home works] Final exam: 60% [written exam]		
Work load:	The work load is 150h. It is the result of 60h attendance and 90h self-studies.		