

Date:	Examination No.: 15367	Version:1/9/2022	Start: 1/9/2022
Module Name - Code	Electrical Installation		
Module Language:	English		
Responsible:	Assistant Lecturer : Wafeeq Shaia hanna		
Lecture (s):			
College:	College of Engineering – Salahaddin University		
Duration:	15 week – 1 semester		
Course outcomes:	The objective of this course is At the end of the semester, students would be able to understand ; The basic Elements of Electrical system . Comparison between the different Wiring Types used for c .The sequence of all tests before connecting supply power to ensure that Installations are free from faults. In the Illumination scheme part, learning and design of accurate Lighting system is very necessary to obtain uniform Illumination system .Earthing system is very important to study , explaining the different between earthed and unearthed system ,also to know the Method of Earthing.		
Course Content:	The basic elements of electricity such A.C and D.C Power ,current and voltage . The residential electric system . Various Wiring Types .Tests of electrical installation .Interior lighting schemes .Estimation of lighting schemes. Methods of Lighting Calculations. Sources of Light . Electric Earthing . Electrical system with and without Earthing .Method of Earthing .Types of earth electrode .Lighting Protection System . Earth Resisting Test.		
Literature:	1- Electrical Technology B.L. Theraja 2- Building Physics: Lighting W.R. Stevens . 3- Electrical Testing Procedures Willim Jessie 4- Introduction to interior Lighting Design J.Paul Guyer 5- Electrical Installation Dr. Mohammed Tawfeeq AL - Zuhairi 6- interior Lighting Design A. Students Guide Keven Kelly College:		
Type of Teaching:	4 hrs in lectures		
Pre-requisites:			
Frequency:	Yearly in fall semester		
Requirements for credit points:	For the award of credit points it is necessary to pass the mid term exam. and the final exam  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 10% activity 30% mid-term exam 60% final theoretical Exam .		
Work load:	The workload is the result of 60h attendance .		