

Date:	Examination No.:	Version:2021-2022	Start:30/1/2022
Module Name - Code	Power Transmission and Distribution -21306		
Module Language:	English		
Responsible:	Banaz Safeen Ibrahim		
Lecture (s):	None		
College:	College of Engineering – Salahaddin University-Erbil		
Duration:	15 week – 6 semester		
Course outcomes:	The course aims to develop students' interest in and knowledge and understanding of tools and methods for transmitting power and distribution. The module addresses in depth reliability models, risk analysis and compromise seeking among several planning objectives, namely investment, security, quality of service of distribution systems, and knowing the load type and their effects on grid.		
Course Content:	<ul style="list-style-type: none"> • General Introduction of power transmission and distribution. • The Overhead Line Structure. • Transmission Line Parameters. • The Substations. • The Distribution Systems. • Variable Load on Power Stations. • Power Factor Improvement. 		
Literature:	<ol style="list-style-type: none"> 1. S. Sivanagaraju, 2008 India, "Electric Power Transmission and Distribution". 2. J.B. Gupta. Publisher, S. K. Kataria & Sons, 2009 "Transmission and Distribution of Electrical Power". 3. S. N. Singh, "Electrical Power Generation: Transmission and Distribution" . 		
Type of Teaching:	5 hrs. in lectures		
Pre-requisites:	None		
Preparation Modules:			
Frequency:	Spring Semester		
Requirements for credit points:	For the award of credit points, it is necessary to pass the module exam. It contains: Three examination during the academic semester, Assignments and Final examination. Student's attendance is required in all classes.		
Credit point:	5		

Grade Distribution:	<p>The following grade system is used for the evaluation of the module exam: The module exam is based on the summation of two categories of evaluations:</p> <p>First: (50%) of the mark is based on the academic semester effort which includes</p> <ul style="list-style-type: none">- one examination during the academic semester = 25%.- quizzes, assignments = (10%).- Report and Lab examination = (15 %) <p>Second: (50%) of the mark is based on final examination that is comprehensive for the whole of the study materials reviewed during the academic semester.</p>
Work load:	<p>The workload is 135 hrs. It is the result of 45 hrs. attendance and 90 hrs. self-studies (Assignments, preparation for exam and applications).</p>