Date	Examination No.:	Version:2022-2023	Start:1/2/2023
Module Name - Code	Fundamentals of Electrical Circuits II		
Module Language:	English		
Responsible:	Goran W. Hama Ali goran.hamaal@su.edu.krd		
Lecture (s):	None		
College:	College of Engineering – Salahaddin University-Erbil		
Duration:	15 week – 1 semester		
Course outcomes:	At the end of the semester, students would be familiar to fundamentals of electrical circuits (AC circuit and its elements) in addition to basic circuit analysis theorems.		
Course Content:	Illustration of electrical circuit fundamentals: DC Circuit Theorems, Introduction to Alternating Current and Voltage, Sinusoidal Steady-State Analysis, Electric energy and power, AC Circuit Theorems.		
Literature:	Fundamentals of Electrical Circuits, Sixth Edition. Charles K. Alexander, Matthew N. O. Sadiku.		
	Principles of Electric Circuits, Tenth Edition. Thomas L. Floyd, David M. Buchla.		
	Electrical Circuit Theory and Technology, Sixth edition. John Bird.		
Type of Teaching:	6 hrs. in lectures		
Pre-requisites:	Fundamentals of Electrical Circuit I (2105)		
Preparation Modules:	DC Circuit and its elements.		
Frequency:	Regularly in Spring Semester (Reopened in Autumn Semester)		
Requirements for credit points:	For the award of credit points, it is necessary to pass the module exam. It contains:		
	Three examinations during the academic semester, Assignments, and Final examination.		
	Student attendance is required in all classes.		
Credit point:	7		
Grade Distribution:	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: Theoretical and Practical		
	First: (30%) of the mark is based on the Theoretical part of academic semester effort which includes		
	- Two examinations during the academic semester = 12%.		
	- Assignments and quizzes = (6%). - Presentation = (3%) - Practical Project = (5%) - LTSPICE Project = (4%)		

	Second: (40%) of the mark is based on final examination that is comprehensive for the whole of the study materials reviewed during the academic semester.
Workload:	The workload is 150 hrs. It is the result of 60 hrs. attendance and 90 hrs. self-studies (Assignments, preparation for exam and applications).