

	<b>Course name:</b> EE 224 Circuit Theory lab. II		<b>Department:</b> Electrical and Electronics Engineering			Semester
						4
	<b>Methods of Education</b>					Credit (ECTS)
Lecture	Recitation/ (Etud)	Project/Field Study	Homework	Other	Total	3
30	-	20	30	-	80	
Language	English					
Compulsory/Elective	Compulsory					
Prerequisites	EE214 circuit Theory II					
Course Contents	Impedance and Phase Measurement Techniques Simple_OPAMP_Circuits Sinusoidal_Steady_State_Circuit_Analysis AC_Power_Analysis Transfer_Functions Active_Passive_Filters					
Course Objectives	To provide the students with practical experience about the specified subjects.					
Learning Outcomes and Competences	Apply circuit analysis techniques to 3 phase systems. Match impedance for maximum power transfer. Find Norton and Thevenin equivalents of the circuits. Analyze a circuit in s domain.					
Textbook and /or References	Theoretical Lectures Documents					
Assessment Criteria			If any, mark as (X)	Percentage (%)		
	Midterm Exams					
	Quizzes					
	Homeworks		X	30		
	Projects					
	Term Paper					
	Laboratory work		X	40		
	Other					
Final Exam		X	30			
Instructors	Assist. Prof. Dr. Thamer Al-Mashhadani					
<b>Weekly Schedule</b>						
<b>Week</b>						
1	Orientation					
2	Orientation					
3	Impedance and Phase Measurement Techniques					
4	Impedance and Phase Measurement Techniques					

5	Simple OPAMP Circuits
6	Simple OPAMP Circuits
7	Sinusoidal Steady State Circuit Analysis
8	Sinusoidal Steady State Circuit Analysis
9	Mid-term Exam
10	AC Power Analysis
11	AC Power Analysis
12	Transfer Functions
13	Transfer Functions
14	Active Passive Filters
15	Active Passive Filters