

	Course name: EE 223 Circuit Theory lab. I		Department: Electrical and Electronics Engineering			Semester
						3
	Methods of Education					Credit (ECTS)
	Lecture	Recitation/ (Etud)	Project/Field Study	Homework	Other	Total
	30	-	20	30	-	80
	3					
Language	English					
Compulsory/Elective	Compulsory					
Prerequisites	EE213 Circuit Theory I					
Course Contents	Introduction 1 Introduction 2 Linear Resistive Circuits Amplifiers Inverting and Non-Inverting Basic Applications of OP-AMP circuits					
Course Objectives	To provide the students with practical experience about the specified subjects.					
Learning Outcomes and Competences	2-ports and multi-ports elements in electrical circuits, Kirchoff's current and voltages laws, analysis of resistor circuits using node voltage and mesh current methods analysis of second order RLC circuits					
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					
Weekly Schedule						
Week						
1	Orientation					
2	Orientation					

3	Introductory Lab 1
4	Introductory Lab 1
5	Introductory Lab 2
6	Introductory Lab 2
7	Linear Resistive Circuits
8	Linear Resistive Circuits
9	Mid-term Exam
10	Amplifiers Inverting and Non-Inverting
11	Amplifiers Inverting and Non-Inverting
12	Amplifiers Inverting and Non-Inverting
13	Basic Applications of OP-AMP circuits
14	Basic Applications of OP-AMP circuits
15	Basic Applications of OP-AMP circuits