

Date Of Issue: 12/08/2024

Recommened Study Plan for Bachelor's Degree in Electrical Power and Energy Engineering for year 2015-2016

		Firs
	First Semester	
Course No.	Course Title	Cr. Hrs.
20132	Calculus (1)	3
20141	Physics (1)	3
20148	Physics (1) Lab	1
31111	Arabic Language	3
31151	National Education	3
31153	Introduction to Society, Technology and Environment Protection	0
	Elective University Requirements (General)	3
	Total	16

. 5	st Year				
		Second Semester			
	Course No.	Course Title	Cr. Hrs.		
	11103	Structured Programming	3		
	11151	Structured Programming Lab	1		
	20133	Calculus (2)	3		
	20142	Physics (2)	3		
	20149	Physics (2) Lab	1		
1	31121	English Language	3		
4		Total	14		
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	First Semester		
Course No.	Course Title	Cr. Hrs.	
20200	Technical Writing and Communication Skills	3	
20231	Calculus (3)	3	
20232	Engineering Mathematics(1)	3	
24218	Engineering Drawing Using Computers	1	
24219	Engineering Workshop	1	
24221	Electric Circuits (1)	3	
	Elective University Requirements (Scientific, Practical)	3	
	Total	17	

<u> </u>	ond Year		
	Second Semester		
	Course No.	Course Title	Cr. Hrs.
	20234	Linear Algebra	3
	21231	Electronics (1)	3
	22241	Digital Logic Design	3
	24222	Electric Circuits (2)	3
	24229	Electric Circuits Lab	1
	31251	Military Science	3
		Elective University Requirements (General)	3
4		Total	19

		Thir
First Semester		
Course No.	Course Title	Cr. Hrs.
20331	Engineering Mathematics(2)	3
21331	Electronics (2)	3
21338	Electronics Lab	1
23351	Signals and Systems	3
23352	Programming Applications in Signals & Systems	1
24322	Instruments and Measurements	3
24329	Instruments and Measurements Lab	1
	Total	15

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	Second Semester		
	Course No.	Course Title	Cr. Hrs.
	20333	Numerical Analysis	3
	20334	Applied Probability	3
	22340	Microprocessors & Embedded Systems	3
	22346	Logic & Embedded Systems Lab	1
	24311	Thermodynamics	3
		Total	13
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		Four	th Year
	First Semester		
Course No.	Course Title	Cr. Hrs.	Course
24461	Electric Machines (1)	3	2432
24463	Power Systems Analysis	3	2441
24471	Automatic Control	3	2446
24472	Energy Conversion	3	2446
24479	Automatic Control Lab	1	2446
	Elective University Requirements (Scientific,	3	2446
	Practical)		3243
	Total	16	

	Second Semester		
Course No.	Course Title		Cr. Hrs.
24321	Applied Electromagnetics		3
24411	Engineering Ethics		1
24462	Electric Machines (2)		3
24465	Power Systems Economics		3
24468	Electric Machinery Lab		1
24469	Power Systems lab		1
32431	Engineering Economics		3
	Elective University Requirements (Scientific, Practical)		3
		Total	18



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		Fiftl	
	First Semester		
Course No.	Course Title	Cr. Hrs.	
24561	Power Electronics	3	
24563	Power Systems Planning, Operation and Control	3	
24564	Transmission & Distribution Systems	3	
24565	High Voltage Engineering	3	
24568	Power Electronics Lab	1	
24591	Senior Project (1)	1	
	Elective Program Requirements	3	
	Total	17	

th Year		
	Second Semester	
Course No.	Course Title	Cr. Hrs.
24562	Power Systems Protection	3
24569	Power Systems Protection Lab	1
24571	Renewable Energy Systems	3
24592	Senior Project (2)	2
	Elective Program Requirements	3
	Total	12
	Course No. 24562 24569 24571	Second Semester Course No. Course Title 24562 Power Systems Protection 24569 Power Systems Protection Lab 24571 Renewable Energy Systems 24592 Senior Project (2) Elective Program Requirements

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