

LIST OF COURSES

of "Energy and Applied Sciences" Department

No	Course	Credits (ECTS)	Educational Programs					
			Renewable Energy	Electrical Engineering	Lift Engineering	Mechanical Engineering	Mechatronics	Information Systems Engineering
1	Introduction to Renewable Energy	3	V					
2	Introduction to Electrical Engineering	3		V				
3	Fundamentals of Circuit Theory	9	V	V	V	V	V	
4	Electric Basic Practice	9	V	V				
5	Thermodynamics and Heat Transfer	9	V	V		V		
6	Basics of Electronics	8					V	V
8	Material Science	9	V	V		V	V	
9	Drawing Electricity and CAD	9	V	V				
10	Electromagnetics	9	V	V				
11	FTHM and Fluid Power	9	V			V		
12	Electrical Machines	8	V	V	V	V	V	
14	Power Engineering	8	V	V				
15	Automatic Control	5	V	V				
16	Digital Logic Circuit	9	V					
17	PLC Control	9	V				V	
18	Measurement Data Processing	6		V				
19	Electrical Measurements and Statistics	5	V	V				
20	Fundamentals of Photovoltaics	9	V					
21	Industrial Plants and Project Management	6	V			V		
22	Renewable Energy Engineering	12	V					
23	Electric Power Supply Networks	9		V				
24	Semiconductor Components and Circuit Design	6		V				