STUDY MODULE DESCRIPTION FORM						
Name of <b>Subj</b>	f the module/subject .preparing for er	ergy companies operatir	ng in the market	Code 1010314451010316973		
Field of	study		Profile of study (general academic, practical	Year /Semester		
Power Engineering			(brak)	3/5		
Elective path/specialty			Subject offered in: Polish	Course (compulsory, elective) <b>obligatory</b>		
Cycle of	study:		Form of study (full-time,part-time)			
First-cycle studies			part	part-time		
No. of h	ours			No. of credits		
Lectur	e: 15 Classes	: 15 Laboratory: -	Project/seminars:	- 3		
Status c	f the course in the study	program (Basic, major, other)	(university-wide, from another	field)		
		(brak)		(brak)		
Educatio	on areas and fields of sci	ence and art		ECTS distribution (number and %)		
technical sciences				3 100%		
Technical sciences				3 100%		
Posponsible for subject / lecturer:						
Kesh						
Prof. dr hab. inż. Zbigniew Stein						
tel. 616652589						
Elektryczny						
ul. F	Piotrowo 3A, 60-965 P	oznań				
Prerequisites in terms of knowledge, skills and social competencies:						
1	Knowledge	Basic knowledge of the generati	on, transmission and distribution	on of electricity in particular.		
2	Skills	Organizing allocation processes and energy trading especially electricity.				
3	Social competencies	Ability to industrious activities in a way.				
Assu	mptions and obj	ectives of the course:				
Knowle market	edge of the principles o	of organization of the activities of	energy companies in the marke	et, especially the electricity		
	Study outco	mes and reference to the	educational results for	r a field of study		
Know	/ledge:			-		
1. organize and participate in the trade in energy (electricity) - [K_W22+, K_W23+++, K_W27+++]						
2. ably affect on price formation in the market enrgii including renewable energy - [K_W23++]						
Skills:						
1. use knowledge of environmental investigations to determine the production limit pollution - [K_U01+, K_U03+]						
2. organize and interpret measurements of environmental pollution - [K_U20++]						
Socia	ii competencies:					
1. is sensitive to measures to protect the environment - [K_K02+, K_K05++]						

# Assessment methods of study outcomes

#### Lecture:

- Continuous evaluation in the classroom (favoring activity and perception),
- Passing the test.

### Classes:

- Remarks on the improvement of of teaching materials,
- tests on exercises,
- Homework.

## **Course description**

Generation of electricity in power plants. Energy raw materials. The energy value of various types of raw materials. Protection of the environment in the process of generating electricity. Waste of energy commodities. Landfilling. Waste management capabilities. Measurements of environmental pollution. Energy Law. Laws and regulations on environmental protection.

# **Basic bibliography:**

#### Additional bibliography:

Result of average student's workload					
Activity	Time (working hours)				
1. participation in class lectures		15			
2. participate in the consultations on of the lecture	5				
3. prepare for the completion of the lecture	10				
4. participation in the completion of of the lecture	5				
5. participation in class exercises	15				
6. part in the consultation exercises	5				
7. preparation for exercises	5				
8. homework preparation	10				
Student's wo	rkload				
Source of workload	hours	ECTS			
Total workload	70	3			
Contact hours	45	2			
Practical activities	0	0			