STUDY MODULE DESCRIPTION FORM						
Name of the module/subject Diploma seminar				Code 1010315441010320081		
Field of study Power Engineering			Profile of study (general academic, practical general academic	·		
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Elective	e path/specialty Sustainabl	e Energy Development	Subject offered in: Polish	Course (compulsory, elective) obligatory		
Cycle c	of study:	<u> </u>	Form of study (full-time,part-time)			
	Second-c	vcle studies	part	part-time		
No. of h	hours			No. of credits		
Lectu	re: - Classes	s: - Laboratory: -	Project/seminars:	18 15		
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another			
		other	univ	ersity-wide		
Educat	ion areas and fields of sci	ence and art		ECTS distribution (number and %)		
tech	nical sciences			15 100%		
	Technical scie	15 100%				
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Prere	Prerequisites in terms of knowledge, skills and social competencies:					
1	Knowledge	Basic information of subjects tag engineering and specialty of eco				
2	Skills	Measurements and calculations of basic electrical and non-electrical quantities, writing simple computer programs, designing and construction of simple circuits or electrical installations and effective self-study in chosen specialty and academic field.				
3	Social competencies	Verbal communication and team work, awareness of the need to expand their knowledge and skills.				
Assu	imptions and obj	ectives of the course:				
Presentation of the results of research and analysis conducted for thesis, formulating conclusions.						
	Study outco	mes and reference to the	educational results for	r a field of study		
Knowledge:						
1. x - [K_W17++]						
2. x - [K_W18++]						
Skills:						
1. x - [K_U11++] 2. x - [K_U15++]						
Social competencies:						
		aining and constant improving his	professional competence - [K	_K01++]		
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Assessment methods of study outcomes

- assess the knowledge and skills needed to carry out the Engineer?s thesis topic,

- an assessment based on the presentation of the results of realized works,

- evaluate the effectiveness of the application of knowledge in problem solving,

- continuous evaluation for each class: student activities, increase their knowledge and skills.

Course description

Choosing a specific topic for a thesis. Describing and setting out the including its analysis. The presentation of results of research as wel conclusions, the preparation of the list of specialist literature used in	as the analysis of selected is	
Basic bibliography:		
1. Bibliography of Master thesis range recommended by the promot	er.	
Additional bibliography:		
1. Bibliography of Mster thesis searched by student.		
Result of average stud	lent's workload	
Activity		Time (working hours)
1. participation in seminar classes		18
2. participation in the consultation	45	
3. preparation for seminar classes	12	
4. determine the tasks within the scope of Master	50	
5. prepare a presentation on the progress made in the implementation	10	
6. perform research for Master	100	
7. Master	110	
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	345	15
Contact hours	122	4
Practical activities	177	6