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		STUDY MODULE D	ESCRIPTION FORM			
	of the module/subject			Code 1010325341010322818		
Field of	-	<u> </u>	Profile of study	Year /Semester		
Elec	trical Engineerin	ıg	(general academic, practical) (brak)	2/4		
Elective path/specialty  Lighting Engineering		Subject offered in: Polish	Course (compulsory, elective obligatory			
Cycle o			Form of study (full-time,part-time)	,		
Second-cycle studies		part-time				
No. of h	nours			No. of credits		
Lectu	re: - Classe	s: - Laboratory: -	Project/seminars:	9 1		
Status	•	program (Basic, major, other)	(university-wide, from another fie			
		(brak)		brak)		
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)		
technical sciences				1 100%		
Technical sciences			1 100%			
ul. F	culty of Electrical Engir Piotrowo 3A 60-965 Po	oznań	d social competencies:			
1	Knowledge	Is of knowledge, skills and social competencies:  Knowledge of the basics of lighting engineering and computer science. Knowledge of basic				
'	Miowicage	tools used in CAD programs to o	·			
2	Skills	The ability to draw and create objects in CAD programs. Ability to choose lighting equipment to create illumination of buildings.				
3	Social competencies	Is aware of the need to broaden	their competence, willingness to	o work together as a team.		
Assu	mptions and obj	ectives of the course:				
Knowle		basic tools and possibilties of 3ds	MAX program. Ability to create of	computer visualizations of		
	Study outco	mes and reference to the	educational results for	a field of study		
Knov	vledge:					
	wledge of basic functions: gs [KW_13++, KW_	ons and possibilities of 3ds MAX p 18 ++]	program. Knowledge of lighting e	equipment used to illuminate		
Skills	<b>S</b> :					
	•	alization of building - [KU_03++, I	KU_12]			
Socia	al competencies:					
includi		ids the importance and impact of rand lighting on the environment ar				

# Assessment methods of study outcomes

Assessment of the knowledge and skills associated with the implementation of the project.

## **Course description**

Understanding the issues related to computer visualizations of building's illumination. Creation of visualization illumination of the buildings. Assessment of luminance distribution on the facade of the building.

## Faculty of Electrical Engineering

## Basic bibliography:

- 1. Żagan W.:Iluminacja obiektów. Ofic. Wyd. Pol. Warszawskiej, Warszawa 2003.
- 2. Kelly L.Murdock 3ds MAX 2012 Helion 2012

#### Additional bibliography:

1. Lighting Handbook, Reference & Application. IES of Nofth America, New York 2010

#### Result of average student's workload

Activity	Time (working hours)
Participation in project activities.	9
2. Participation in consultations.	6
3. Preparation of the concept and development of computer visualization.	9

#### Student's workload

Source of workload	hours	ECTS
Total workload	24	1
Contact hours	15	1
Practical activities	24	1