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STUDY MODULE DESCRIPTION FORM						
Name o	of the module/subject	STUDT MODULE D	ESCRIPTION FORIVI	Code		
	•	nting engineering		1010324381010320832		
Field of	study		Profile of study	Year /Semester		
Elec	trical Engineerin	g	(general academic, practical) general academic	4/8		
Elective	path/specialty		Subject offered in:	Course (compulsory, elective)		
	_	ting Engineering	Polish	obligatory		
Cycle o	f study:		Form of study (full-time,part-time)			
First-cycle studies			part-time			
No. of h	nours			No. of credits		
Lectu	re: 18 Classes	s: - Laboratory: 9	Project/seminars:	- 2		
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another fi	,		
		other	unive	ersity-wide		
Education areas and fields of science and art				ECTS distribution (number and %)		
techr	nical sciences			2 100%		
Technical sciences			2 100%			
Resp	onsible for subj	ect / lecturer:				
Mał	gorzata Zalesińska Ph	n.D.				
ema	ail: Malgorzata.Zalesin					
	61 6652398					
	ulty of Electrical Engir Piotrowo 3A 60-965 Po	•				
Prerequisites in terms of knowledge, skills and social competencies:						
		Knowledge of the basics of light	ing engineering: the calculation	and the measurement of light		
1	Knowledge	parameters, lighting equipment.	ing originooning. the odiodidation	and the measurement of light		
		The ability to use knowledge in lighting engineering to carry out computations, measurement				
2	Skills	and evaluation of lighting param				
	the chosen field of study.					
3	Social competencies	Is aware of the need to broaden	their competence, willingness t	to work together as a team.		
Assu	mptions and obj	ectives of the course:				
Grounding knowledge of the physiology of vision, and the relationship between the basic lighting poarameters.						
5 5 , , 5,						
Study outcomes and reference to the educational results for a field of study						
Knowledge:						
1. Describe the process of vision. List and describe the functions of the eye. Characterize the photometric properties of						
materials. Indicate the relationship between the parameters of light [[K_W05 ++, K_W14 +, K_W15 +++]] Skills:						
		ing on the quality manager of the	our Applying the manufacture file	1100 K 1144 11		
		ng on the quality parameters of vi	ew. Analyze the results [[K_	_UUZ +++, K_U14 +++]]		
	al competencies:		W. 1/00 "			
1. Able to share and coordinate the work between team members [[K_K03 +]]						

Assessment methods of study outcomes

Faculty of Electrical Engineering

Lecture:

assess the knowledge and skills listed on the written exam

Laboratory exercises:

assess the knowledge and skills associated with the implementation of the tasks your practice,

the assessment report performed exercise.

Get extra points for the activity in the classroom, especially for the following:

ability to work within a team performing a task specific practice in the laboratory;

developed aesthetic diligence reports and tasks, the self-study.

Course description

The basic relationship between the photometric parameters, the spatial distributions of the photometric parameters. Vision system - structure and basic operations of the eye, visual way, the types of visual sensations. Photometric properties of materials. Glare in lighting.

Basic bibliography:

- 1. Bąk J., Pabiańczyk W.: Podstawy techniki świetlnej. Wyd. Pol. Łódzkiej, Łódź 1994.
- 2. Żagan W.: Podstawy techniki świetlnej. Ofic. Wyd. Pol. Warszawskiej, Warszawa 2005
- 3. Laboratorium z techniki świetlnej. Praca zbiorowa. Wyd. Pol. Pozn. nr 1792, Poznań 1989.
- 4. Lighting Handbook, Reference & Application. IES of Nofth America, New York 2010

Additional bibliography:

1. Hauser J.: Elektrotechnika: Podstawy elektrotermii i techniki świetlnej, Wyd. PP, Poznań, 2006

Result of average student's workload

Activity	Time (working hours)
Participation in lecture classes	18
2. Participation in laboratory activities	9
3. Participation in consultation	10
4. Homework	15
5. Participation for an exam	15
6 Exam	2

Student's workload

Source of workload	hours	ECTS
Total workload	69	2
Contact hours	39	2
Practical activities	35	2