$\geq$
Q
α
N
0
Q
- 7
ψ.
J
Ω
- 7
≥
`
>
3
$\geq$
Q
-
-
4

		STUDY MODULE D	ESCRIPTION FORM			
	of the module/subject	Code				
Stat				1011104421011002598		
Field of study			Profile of study (general academic, practical	·		
Logistics - Part-time studies - First-cycle			(brak)	1 / 2 Course (compulsory, elective)		
Elective path/specialty -			Subject offered in: 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: 10 Classes	s: 10 Laboratory: -	Project/seminars:	- 3		
Status	of the course in the study	program (Basic, major, other)	(university-wide, from another	field)		
		(brak)		(brak)		
Educat	on areas and fields of sci	ence and art		ECTS distribution (number and %)		
tel. -Wy -ul.	ail: -elzbieta.wieczorek -+48(61)6652349 dział Elektryczny Inst Piotrowo 3a 60-965 P	ytut Matematyk	nd social competencies			
11010	quiones in term	Student knows basic notions in	<u>-</u>	•		
1	Knowledge	Ctadent throwe sacre notions in	oot theory, regio and calculate.			
2	Skills	Student can operate a calculator, a computer and use proposed literature.				
3	Social competencies	Student recognizes the necessity in deepening his knowledge.				
Assu	mptions and obj	ectives of the course:				
to acq	uire basic statistical m	ethods and develop the ability to	use these methods to solve pra	actical engineering problems		
	Study outco	mes and reference to the	e educational results for	r a field of study		
Knov	vledge:					
1. Stud	dent has a basic know	ledge of probability theory - [K1A	_W04]]			
2. 2. proble	Student has a bas ms [K1A_W04]]	ic knowledge of descriptive and m	nathematical statistics, useful to	solve practical engineering		
Skills	s:		-			
Student is able to interpret the information from a sample and to draw conclusions - [K1A_U05]						
Social competencies:						
1. Stud	dent is able to argue t	he necessity of continuous learning	ng -[K1A_K01]			

# Assessment methods of study outcomes

-Forming score:

on the basis of written tests and oral answers.

Summary score:

the average points obtained by the written tests.

# **Course description**

-The basic concepts of probability will be discussed i.e.: probability space, random variables, elements of descriptive statistics, methods of statistical inference - estimation, hypothesis verification and analysis of correlation and regression.

# Basic bibliography:

- 1. Krysicki W., Bartos J., Dyczka W., Królikowska K., Wasilewski M., Rachunek prawdopodobieństwa i statystyka matematyczna w zadaniach, cz. I, II. Wydawnictwo PWN, Warszawa
- 2. Bobrowski D., Łybacka K., Wybrane metody wnioskowania statystycznego. Wydawnictwo Politechniki Poznańskiej, Poznań

#### Additional bibliography:

- 1. Plucińska A., Pluciński E., Probabilistyka, Wydawnictwo WNT, Warszawa
- 2. Jasiulewicz H., Kordecki W., Rachunek prawdopodobieństwa i statystyka matematyczna. Przykłady i zadania. Oficyna wydawnicza GiS, Wrocław
- 3. Kordecki W., Rachunek prawdopodobieństwa i statystyka matematyczna. Definicje, twierdzenia, wzory. Oficyna wydawnicza GiS, Wrocław

# Result of average student's workload

	Activity	Time (working hours)
1. 1.	Lectures participation	10
2. 2.	Classes participation	10
3. 3.	Cunsultaion	2
4. 4.	Classes preparation	10
5. 5.	Test preparation	10
6. 6.	Test	2
7. 7.	Results discussion	2

# Student's workload

Source of workload	hours	ECTS
Total workload	46	3
Contact hours	36	2
Practical activities	10	1