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		STUDY MODULE D	ESCRIPTION FORM				
	of the module/subject			Code 1011101111010340139			
Field of			Profile of study	Year /Semester			
Corp	oorate Managem	ent - Full-time studies -	(general academic, practical) (brak)	1/1			
Elective path/specialty			Subject offered in: Polish	Course (compulsory, elective) obligatory			
Cycle o	f study:		Form of study (full-time,part-time)				
	Second-c	ycle studies	full-t	ime			
No. of h	nours			No. of credits			
Lectu	re: 15 Classe	s: 15 Laboratory: -	Project/seminars:	- 3			
Status	=	program (Basic, major, other)	(university-wide, from another fi	eld)			
		(brak)		(brak)			
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)			
socia	al sciences			3 100%			
	Economics			3 100%			
tel. Wyd	email: awozniak@math.put.poznan.pl, tel. +48(61) 665-2320 Wydział Elektryczny ul. Piotrowo 3a 60-965 Poznań						
Prere	equisites in term	ns of knowledge, skills an	d social competencies:				
1	Knowledge	Student knows basic notions in	set theory, logic and calculus.				
2	Skills	Student can operate a calculato	or, a computer and use proposed	d literature.			
3	Social competencies	Student recognizes the necessity in deepening his knowledge.					
Assu	mptions and ob	jectives of the course:					
to acq	uire basic statistical m	ethods and develop the ability to	use these methods to solve prac	ctical engineering problems.			
	Study outco	mes and reference to the	educational results for	a field of study			
Knov	vledge:						
2. 2.		rledge of probability theory [[K2.ic knowledge of descriptive and m		solve practical engineering			
Skills							
		et the information from a sample a	and to draw conclusions [[K2	2A_U01], [K2A_U02]]			
	al competencies						
1. 1. S	1. 1. Student is able to argue the necessity of continuous learning [[K2A_K03]]						
	Assessment methods of study outcomes						

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				

Faculty of Engineering Management

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. 1. Bobrowski D., Łybacka K., Wybrane metody wnioskowania statystycznego. Wydawnictwo Politechniki Poznańskiej, Poznań, 2006.
- 2. Krysicki W., Bartos J., Dyczka W., Królikowska K., Wasilewski M., Rachunek prawdopodobieństwa i statystyka matematyczna w zadaniach, cz. I. i II. Wydawnictwo PWN, Warszawa, 2010.

Additional bibliography:

- 1. 1. Jasiulewicz H., Kordecki W., Rachunek prawdopodobieństwa i statystyka matematyczna. Przykłady i zadania. Oficyna Wydawnicza GiS, Wrocław, 2002.
- 2. Kordecki W., Rachunek prawdopodobieństwa i statystyka matematyczna. Definicje, twierdzenia, wzory. Oficyna Wydawnicza GiS, Wrocław, 2002.

Result of average student's workload

	Activity	Time (working hours)
1. 1.	Lectures participation	15
2. 2.	Classes participation	15
3. 3.	Cunsultaion	4
4. 4.	Classes preparation	30
5. 5.	Test preparation	15
6. 6.	Test	2
7. 7.	Results discussion	2

Student's workload

Source of workload	hours	ECTS
Total workload	83	3
Contact hours	38	2
Practical activities	15	2