		STUDY MODULE D	ESCRIPTION FORM				
Name of the module/subject Risk analysis				Code 1011104121011122936			
Field of		Part time studios Eirst	Profile of study (general academic, practica		Year /Semester		
	path/specialty	Part-time studies - First-	general academic Subject offered in:	;	1 / 2 Course (compulsory, elective)		
LICOUVO	pathopeolaty	-	Polish		obligatory		
Cycle of	study:		Form of study (full-time,part-time)			
First-cycle studies			part-time				
No. of h	ours				No. of credits		
Lectur	e: 10 Classes	s: 8 Laboratory: -	Project/seminars:	8	4		
Status of the course in the study program (Basic, major, other) (university-wide, from another field							
Educati	an areas and fields of asi	other	univ	ers	ity-wide		
	on areas and fields of sci	ence and art			ECTS distribution (number and %)		
techr	ical sciences				4 100%		
	Technical scie	ences			4 100%		
Resp	onsible for subj	ect / lecturer:	Responsible for subje	ect /	lecturer:		
64m kacz ema tel. (Inży	algorzata.jasiulewicz- zmarek@put.poznan.p	olhanna.golas@put.poznan.pl vicz-kaczmarek@put.poznan.pl	email: roma.marczewska- tel. 616653364 Inzynierii Zarządzania Poznań ul. Strzelecka 11	kuzm	na@put.poznan.pl		
Prere	quisites in term	s of knowledge, skills an	d social competencies	:			
1	Knowledge	Rudimentary knowledge of prob	ability theory and technology f	unda	mentals		
2	Skills	Solving easy exercises in proba	bility				
3	Social competencies	Ability to work in a group					
Assu	mptions and obj	ectives of the course:					
		cepts such as: threat and risk, ab to assess risk by means of quality					
	Study outco	mes and reference to the	educational results fo	r a f	ield of study		
Know	/ledge:						
1. Kno Skills	ws risk assessment m	ethods - [K1A_W09]					
	n formulating and solv	ving engineering tasks, a student of	can discern their systemic and	non	-technical aspects -		
-	-	cted with work in an industrial env	ironment - [K1A_U11]				
Socia	I competencies:						
1. Understands the need to make progress, gain knowledge and acquire new skills - [K1A_K01]							
2. Understands the influence of engineering activity on an environment - [K1A_K02]							
		Assessment metho	ds of study outcomes				
L			-				

Formative assessment:

a) Classes: current/ongoing evaluation of the tasks

b) Lectures: evaluations based on questions relating to the presented materials during the current and previous lectures

Collective assessment:

a) Classes: reports presentation (based on classes);

b) Lectures: written test (4 open questions presented during the lecture; the final test pass equals at least 3.0

Course description

Concepts of risk, misfortunes, initiating events, critical events. Classification of threats. Potential threats. Workplace accidents, failures. Threat assessment and inconveniences in a workplace, industry and services. Occupational risk, process risk, environmental risk. Heuristic methods of risk assessment. Risk estimation. Risk assessment by means of matrix, indicative and graphic methods. Delineating safety loss. Multidimensional risk assessment. Assessment of risk acceptability based on probabilistic methods.

Basic bibliography:

Additional bibliography:

Result of average student's workload					
Activity	Time (working hours)				
1. lecture		10			
2. classes	8				
3. consultation with a lecturer	10				
4. project	8				
Student's wo	orkload				
Source of workload	hours	ECTS			
Total workload	36	4			
Contact hours	26	2			
Practical activities	16	2			