1011101121011122936

1/2

Year /Semester

Code

Profile of study (general academic, practical)

(brak)

Name of the module/subject

Risk analysis

Field of study

Safety Engineering - Full-time studies - First-

No. of hours  Lecture: 15 Class  Status of the course in the stu	dy program (Basic, major, other) (brak)	Project/seminars: (university-wide, from another	No. of credits	
No. of hours  Lecture: 15 Class  Status of the course in the stu	ses: 30 Laboratory: - dy program (Basic, major, other) (brak)	Project/seminars: (university-wide, from another	No. of credits	
Lecture: 15 Class Status of the course in the stu	dy program (Basic, major, other)  (brak)	(university-wide, from another	- 4	
Status of the course in the stu	dy program (Basic, major, other)  (brak)	(university-wide, from another		
	(brak)	•		
Education areas and fields of	. ,		field) (brak)	
	Education areas and fields of science and art		ECTS distribution (number and %)	
Responsible for sub	pject / lecturer: ulewicz-Kaczmarekdr inż. Hanna	Responsible for subje		
GołaśKatedra Ergonomii i Inżynierii Jakościtel. 665 33 64malgorzata.jasiulewicz-kaczmarek@put.poznan.plhanna.golas@put.poznan.pl email: malgorzata.jasiulewicz-kaczmarek@put.poznan.pl tel. 616653364 Inżynierii Zarządzania Poanań, ul. Strzelecka 11		email: roma.marczewska-kuzma@put.poznan.pl tel. 616653364 Inzynierii Zarządzania Poznań ul. Strzelecka 11		
Prerequisites in ter	ms of knowledge, skills an	nd social competencies:	:	
1 Knowledge	Rudimentary knowledge of probability theory and technology fundamentals			
2 Skills	Solving easy exercises in proba	ability		
3 Social competencie	Ability to work in a group			
Assumptions and o	bjectives of the course:			
Understanding of certain of working environment.; abil	oncepts such as: threat and risk, abity to assess risk by means of qualit	oility to identify and assess the or ty and quantity methods (select	criticality of events that exist in ion of an appropriate method)	
Study outo	comes and reference to the	e educational results for	a field of study	
Knowledge:				
1. Knows risk assessment	methods - [K1A_W09]			
Skills:				
[K1A_U10]	olving engineering tasks, a student	•	non-technical aspects -	
	nected with work in an industrial env	vironment - [K1A_U11]		
Social competencie				
<ol> <li>Inderstands the need t</li> </ol>	o make progress, gain knowledge a	and acquire new skills - [K1A Ki	041	
	ce of engineering activity on an env		บา	

STUDY MODULE DESCRIPTION FORM

Assessment methods of study outcomes

# Faculty of Engineering Management

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	bib	liogra	phv:

### Additional bibliography:

## Result of average student's workload

Activity	Time (working hours)
1. lecture	15
2. classes	30
3. consultation with a lecturer	10

### Student's workload

Source of workload	hours	ECTS
Total workload	55	4
Contact hours	40	2
Practical activities	30	2