

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Identification of threats and risk assessment		Code 1011101241011123821
Field of study Safety Engineering - Full-time studies - First-	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 4
Elective path/specialty -	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: First-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 15 Classes: 30 Laboratory: - Project/seminars: 15		No. of credits 4
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art		ECTS distribution (number and %)
Responsible for subject / lecturer: Adam Górny email: adam.gorny@put.poznan.pl tel. 61 665 3407 Wydział Inżynierii Zarządzania ul. Strzelecka 11, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student knows the risks occurring in the working environment and the ways to identify them.
2	Skills	The student is able to apply in practice the methods of identification and risk assessment in the work environment.
3	Social competencies	The student is aware of the role and importance of risk assessment related to their work in order to ensure work safety.
Assumptions and objectives of the course: The student acquires skills to develop safe work performance and the evaluation of the risks in the working environment. Acquiring the skills to run risk assessment analysis of risk using statistical and computing methods.		
Study outcomes and reference to the educational results for a field of study		
Knowledge: 1. Has systematized, theoretically supported general knowledge of threats, their consequences, risk and monitoring, identification and criticality assessment that are present in working environment - [K1A_U09] 2. Knows the basic concepts related to the reliability and safety regarding exploitation of technical equipment, facilities and technical systems - [K1A_W20] 3. Knows methods of risk assessment, threats modelling, actions that are taken in the face of threats and accidents, assessment methodology of accidents criticality, determining the cause of accidents in working environment and/or human life and health and safety costs - [K1A_W21]		
Skills:		

<p>1. Can acquire, integrate, interpret data from literature, database or other properly matched sources, both in English or other foreign language accepted as an international language of communication within Safety Engineering, as well as to draw conclusions, formulate and justify opinions - [K1A_U01]</p> <p>2. Can acquire, integrate, interpret data from literature, database or other properly matched sources, both in English or other foreign language accepted as an international language of communication within Safety Engineering, as well as to draw conclusions, formulate and justify opinions - [K1A_U03]</p> <p>3. Has the self-study ability and comprehends it - [K1A_U05]</p> <p>4. Can conduct a critical analysis of the ways in which technical solutions function and assess, by means of Safety Engineering, the existing technical solutions, in particular machines, equipment, objects, systems, services and processes - [K1A_U13]</p> <p>5. Can assess the utility of routine methods and tools that are designed for solving simple engineering tasks of practical nature, characteristic to the safety engineering as well as choose and apply an appropriate method and tools and also use it effectively - [K1A_U15]</p>
<p>Social competencies:</p> <p>1. Understands the need and knows means how to self-study (first, second and third cycle studies, postgraduate studies, qualification courses)- improving professional, personal and social competence; can argument the need to learn for the whole life - [K1A_K01]</p> <p>2. Is fully aware of the responsibility that he has taken for his own work and expresses readiness to comply with the rules of team work as well as responsibility for mutually realized and completed tasks - [K1A_K03]</p>

Assessment methods of study outcomes	
<p>Formative assessment:</p> <p>Classes: on the basis of assigned tasks</p> <p>Projects: on the basis of work progress on a given project</p> <p>Lectures: evaluations based on questions relating to the presented materials during the current and previous lectures</p> <p>Collective assessment:</p> <p>Classes: average of partial exercises; credits given for completing a report</p> <p>Projects: evaluation of the project</p> <p>Lectures: written test, where at least one answer is correct (scored 0 or 1), and written answers to open questions (answers are scored on a scale of 0 to 3); credits will be given after obtaining at least 51% of possible gained points.</p>	
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Basic bibliography:	
Additional bibliography:	
Result of average student's workload	
Activity	Time (working hours)

1. Participation in lectures	15	
2. Participation in classes	30	
3. Participation in project classes	15	
4. Preparation for classes	10	
5. Preparation for written test (based on lectures)	7	
6. Preparation of a project	15	
7. Overview of an exam	2	
8. Preparation of reports (based on classes)	6	
Student's workload		
Source of workload	hours	ECTS
Total workload	100	4
Contact hours	62	2
Practical activities	45	2