STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Team Project	**1011101171011127799**

Field of study	Profile of study (general academic, practical)	Year /Semester
Safety Engineering - Full-time studies - First-	**general academic**	**4 / 7**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**

Cycle of study:	Form of study (full-time,part-time)
First-cycle studies	**full-time**

No. of hours	No. of credits
Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **1**	**15**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
major	**university-wide**

Education areas and fields of science and art	ECTS distribution (number and %)
study effects leading to the acquisition of engineering qualifications	**10 70%**
social sciences	**5 30%**
Economics	**5 30%**

Responsible for subject / lecturer:

bachelor's thesis guardian
email: inie.nazwiskor@put.poznan.pl
tel. 61- 6653374
Faculty of Engineering Management
ul. Strzelecka 11 60-965 Poznań

Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Knowledge of a subject within the standards of education at first-cycle studies in the field of Safety Engineering.
2	**Skills**	The skills obtained during the process of studying the subjects that are within the standards of education at first-cycle studies in the field of Safety Engineering.
3	**Social competencies**	Social skills acquired during the process of studying subjects that are within the standards of education at first-cycle studies in the field of Safety Engineering.

Assumptions and objectives of the course:

-The aim of the subject is to verify the knowledge from his studies that would enable to analyse processes in main function subsystems of a company/institution and the design of the necessary changes to these processes.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Has orderly, theoretically supported general knowledge of technical security - [[K1A_W08]]

2. 2. It has an ordered, theoretically supported knowledge of risks, their consequences, and risk monitoring, identifying and evaluating criticality events that occur in the working environment - [[K1A_W09]]

3. Is an ordered, theoretically supported knowledge of accidents and occupational diseases - [[K1A_W10]]

4. Has a basic knowledge about the lifecycle of products, equipment, facilities, systems and technical systems - [[K1A_W19]]

5. Knows the risk assessment methods, modelling threats, acting in the face of risks and accidents, methodology of assessing events criticality, findings on the causes of occupational accidents in the working environment and/or human life, Health and Safety costs - [[K1A_W21]]

6. Is familiar with basic methods and techniques of work organisation - [[K1A_W22]]

7. 7. Knows basic methods, techniques, tools and materials that are used in technology that are beneficial in quality improvement - [[K1A_W23]]

8. Knows and understands the basic concepts and principles from the scope of copyright protection, information security and the protection of intellectual property in a market economy [K1A_W34] - [[K1A_W34]]

Skills:

1. Student 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]]
2. 2. can apply various techniques in order to communicate in occupational environment and other environments - [[K2A_U02]]
3. is able to plan and carry out experiments, including measurements and computer simulations, interpret the results and draw conclusions - [[K1A_U08]]
4. 4. is able to use analytical, simulation, and experimental methods to formulate and solve engineering tasks - [[K1A_U09]]
5. . can, while formulating and solving engineering tasks, discern their systemic and non-technical aspects and also socio-technical, organizational and economic approach - [[K1A_U10]]
6. can come up with a suggestion how to make use of state-of-the art technology (techniques and technology) within products design - [[K1A_U12]]
7. 7. can identify and formulate specifications of the simple tasks of practical engineering, safety engineering specific - [[K1A_U14]]
8. can evaluate the usefulness of routine methods and tools for the simple solution of practical engineering tasks, characteristic of safety engineering and select as well as apply the appropriate method and tools and effectively use them - [[K1A_U15]]
Social competencies:
1. Is aware of and understands the non-technical aspects and consequences of engineering activity, including its impact on the environment and the associated responsibility for decisions - [[K1A_K02]]
2. The student 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]]
3. The student can determine some causal relationships in the process of targets implementation and rank pertinence of alternative or competitive tasks - [[K1A_K04]]
4. . Is aware of the importance of behaving in a professional manner, in compliance with the rules of professional ethics and respect for the diversity of views and cultures - [[K1A_K05]]

Assessment methods of study outcomes
-Formative assessment: The current assessment of the proposals for organizational changes carried out by the supervisor Collective assessment: The assessment of the project work based on thesis, the state of progress of the research thesis and its overview.
Course description
-Analysis of processes/systems: in terms of safe working conditions, prevention of accidents and occupational diseases, methods of organising work by taking account of ergonomic requirements ? also for disabled people, man-machine-environment system, database, norms and standards, safety management systems
Basic bibliography: 1. Current literature related directly with a thesis subject
Additional bibliography:

Result of average student's workload

Activity	Time (working hours)
1. Preparation for industrial project	15
2. Individual work	160
3. Presentation and grading	5

Student's workload

Source of workload	hours	ECTS
Total workload	300	15
Contact hours	20	1
Practical activities	300	15