Name of the module:tabject Code 1011101271011107799 Field of study Safety Engineering - Full-time studies - First- Elective path/specialty Profile of study (brak) Year /Semester 2011001271011007709 Sector path/specialty - Polish Cause (computery, elective) obligatory Cycle of study: First-cycle studies full-time (brak) Cycle of study: Form of study (tul-time, part-time) No. of creatiss Lecture: - Project/seminars: 60 15 Status of the course in the study program (Baia, major, other) (brak) (university-wide, from another field) No. of creatiss technical sciences 15 100% 15 100% Responsible for subject / lecturer: bachelor's thesis guardian email: ine. nazwiskor@put_poznan.pl eti. 61- 665374 Formail Formail Prerequisites in terms of knowledge, skills and social competencies: 1 Knowledge Sately Engineering. 3 Social competencies Social skills acquired during the process of studying the subjects that are within the standards of education at first-cycle studies in the field of Sately Engineering. 3 Social competencies Social skills acquired during the process of studying subjects that are			STUDY MODULE D	ESCRIPTION FORM		
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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]]						
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]]				at are used in technology that	are be	eneficial in quality
	8. Kno	ws and understands th	ne basic concepts and principles f		otection	n, information security and

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 sociotechnical, 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			

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