

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject (-)		Code 1011102231011126475
Field of study Safety Engineering - Full-time studies - Second-	Profile of study (general academic, practical) (brak)	Year /Semester 2 / 3
Elective path/specialty Work Safety Management	Subject offered in: Polish	Course (compulsory, elective) elective
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: - Classes: 15 Laboratory: - Project/seminars: 15		No. of credits 2
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 34 07 Wydział Inżynierii Zarządzania ul. Strzelecka 11, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	The student has a basic knowledge in the field of system safety management and occupational health.
2	Skills	The students can prepare basic documents system.
3	Social competencies	The student is aware of the role and meaning of the safety management system and occupational health in the administrative units.
Assumptions and objectives of the course: Acquiring knowledge and skills to apply the principles of systemic occupational safety development in the administrative units.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. He knows the difference between the systemic and the traditional enterprise management in the field of occupational safety - [K2A_W07]		
2. Knows the legal requirements and the normative requirements of the systemic occupational safety management, models and elements of safety management systems at work, occupational safety planning purposes related to its operation, continuous improvement in the administrative units - [K2A_W07]		
Skills:		

<ol style="list-style-type: none"> 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 - [K2A_U01] 2. Can apply various techniques in order to communicate in occupational environment and other environments - [K2A_U02] 3. Can prepare and give oral presentation relating to detailed issues within the realm of Safety Engineering in Polish and other foreign language - [K2A_U03] 4. Has self-study ability and comprehends it - [K2A_U04] 5. Student can apply information-communicative techniques to deal with tasks that are typical of engineering activity - [K2A_U05] 6. Student can apply information-communicative techniques to deal with tasks that are typical of engineering activity - [K2A_U07] 7. Is able to plan and carry out experiments, including measurements and computer simulations to interpret the results and draw conclusions - [K2A_U08] 8. Can use analytical, simulation and experimental methods to formulate and solve engineering tasks - [K2A_U09] 9. Can, while formulating and solving engineering tasks, discern their systemic and non-technical aspects and also socio-technical, organizational and economic approach - [K2A_U10] 10. Can come up with a suggestion how to make use of state-of-the art technology (techniques and technology) within products design - [K2A_U12] 11. Has got the preparation that is indispensable to be able to work in an industrial environment and also knows safety rules connected with a given work along with the ability to impose their use in practice - [K2A_U13] 12. Student can suggest some improvements of already existing technical solutions that are typical of Safety Engineering - [K2A_U16]
<p>Social competencies:</p> <ol style="list-style-type: none"> 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 argue the need to learn for the whole life - [K2A_K01] 2. 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 - [K2A_K03] 3. Can determine some causal relationships in the process of targets implementation and rank pertinence of alternative or competitive tasks - [K2A_K04] 4. Is able to creatively plan and manage business ventures - [K2A_K06]

<p>Assessment methods of study outcomes</p>
<p>Formative assessment: Classes: based on reports (exercises) In terms of project activities: progress in the project work,</p> <p>Collective assessment: Classes: average of the grades achieved for the report preparation In terms of project activities: project work</p>
<p>Course description</p>
<p>Systemic and traditional business management in the field of occupational safety, legal requirements and the normative requirements of the systemic occupational safety management, models and elements of safety management systems at work, occupational safety planning purposes related to its operation, continuous improvement in the administrative units, elements of the system occupational work management, occupational safety planning purposes, related to the functioning of the administrative units, continuous improvement of the functioning of the administrative units.</p>
<p>Basic bibliography:</p> <ol style="list-style-type: none"> 1. Romanowska M., Trocki M. (red.), Podejście procesowe w zarządzaniu(The process approach to management), Wydawnictwo SGH, Warszawa 2004 2. Łańcucki J., Podstawy kompleksowego zarządzania jakością (Fundamentals of total quality management)TQM, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznań 2003 3. Karczewski J., System zarządzania bezpieczeństwem pracy, (Occupational safety management system),ODDK, Gdańsk 2000 4. prac. zbiorowa, Zarządzanie bezpieczeństwem i higieną pracy (Management of Occupational Health and Safety) CIOP, Warszawa 2000
<p>Additional bibliography:</p> <ol style="list-style-type: none"> 1. Łuczka - Bakula W. (red.), Zarządzanie jakością, środowiskiem i bezpieczeństwem wyrobów. Teoria i praktyka (The management of quality, environment and safety products. Theory and practice), Akademia Rolnicza w Poznaniu, Poznań 2005 2. Koradecka D., Bezpieczeństwo pracy i ergonomia (Occupational safety and ergonomics), CIOP, Warszawa 1997

Result of average student's workload		
Activity	Time (working hours)	
1. Participation in project work	15	
2. Participation in classes	15	
3. Preparation for classes	10	
4. Preparation of project work	10	
5. Overview of classes report	2	
Student's workload		
Source of workload	hours	ECTS
Total workload	52	2
Contact hours	32	1
Practical activities	10	1