

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Development of safety system in service activities		Code 1011102231011126476
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 Górný 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 systemic safety management and occupational health.
2	Skills	The students can prepare basic systemic documents.
3	Social competencies	The student is aware of the role and meaning of the safety management system and occupational health in the service activity.
Assumptions and objectives of the course: Acquiring knowledge and skills to apply the principles of systemic occupational safety development in the service activity.		
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 service activity, continuous improvement in the service activity - [K2A_W07]		
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 - [K2A_U01]</p> <p>2. Can apply various techniques in order to communicate in occupational environment and other environments - [K2A_U02]</p> <p>3. Can create, both in English and Polish language, a well- documented report of problems within Safety Engineering, which present the results of their own research - [K2A_U03]</p> <p>4. Can prepare and give oral presentation relating to detailed issues within the realm of Safety Engineering in Polish and other foreign language - [K2A_U04]</p> <p>5. Has self-study ability and comprehends it - [K2A_U05]</p> <p>6. Student can apply information-communicative techniques to deal with tasks that are typical of engineering activity - [K2A_U07]</p> <p>7. Can, while formulating and solving engineering tasks, discern their systemic and non-technical aspects and also socio-technical, organizational and economic approach - [K2A_U10]</p> <p>8. Can come up with a suggestion how to make use of state-of-the art technology (techniques and technology) within products design - [K2A_U12]</p> <p>9. 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]</p> <p>10. Student can, according to a given specification, design and operate simple equipment, object, system or a process, typical for Safety Engineering, while using appropriate methods, techniques and tools, as well as solve complex engineering tasks, characteristic of Safety Engineering (including some uncommon ones which possess research component) - [K2A_U18]</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 argue the need to learn for the whole life - [K2A_K01]</p> <p>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 - [K1A_K03]</p> <p>3. Can determine some causal relationships in the process of targets implementation and rank pertinence of alternative or competitive tasks - [K1A_K04]</p>

Assessment methods of study outcomes	
<p>Ocena formująca:</p> <p>Formative assessment:</p> <p>Classes: based on reports (exercises)</p> <p>In terms of project activities: progress in the project work,</p> <p>Collective assessment:</p> <p>Classes: average of the grades achieved for the report preparation</p> <p>In terms of project activities: project work</p>	
Course description	
<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 service activity.</p>	
Basic bibliography:	
Additional bibliography:	
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	30	1