

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Organization of systems of life-saving</b>		Code <b>1011104171011123156</b>
Field of study <b>Safety Engineering - Part-time studies - First-</b>	Profile of study (general academic, practical) <b>(brak)</b>	Year /Semester <b>4 / 7</b>
Elective path/specialty <b>-</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>First-cycle studies</b>	Form of study (full-time, part-time) <b>part-time</b>	
No. of hours Lecture: <b>12</b> Classes: <b>-</b> Laboratory: <b>-</b> Project/seminars: <b>-</b>		No. of credits <b>3</b>
Status of the course in the study program (Basic, major, other) <b>(brak)</b>		(university-wide, from another field) <b>(brak)</b>
Education areas and fields of science and art <b>technical sciences</b>		ECTS distribution (number and %) <b>3 100%</b>
<b>Responsible for subject / lecturer:</b>  dr inż. Grzegorz Dahlke email: grzegorz.dahlke@put.poznan.pl tel. 6653379 Faculty of Engineering Management ul. Strzelecka 11 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	Basic knowledge of the organization of emergency systems and institutions of the emergency systems.
2	<b>Skills</b>	Is able to assess information about natural hazards. He can prepare procedure. He can find information about institutions functioning within the emergency systems. Is able to identify risks to health and life.
3	<b>Social competencies</b>	Is aware of the relationships structure of entities involved in emergency services. Is able to recognize the need for continuous improvement of knowledge.
<b>Assumptions and objectives of the course:</b> The aim of the subject is to know the structures of systems and rescue skills to create organizational units prepared for emergency situations (with particular reference to companies).		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. He has detailed knowledge of the institutions that operate under emergency systems. - [K1A_W12]		
2. He has detailed knowledge of the requirements for emergency preparedness agencies, depending on the risks they present. - [K1A_W12]		
3. He knows structures and relationships between the institutions which support each other in the context of emergency systems. - [K1A_W21]		
4. He knows the methods to assess the effectiveness of the preparation for emergency situations. - [K1A_W21]		
<b>Skills:</b>		
1. Can obtain information on natural hazards and industrial applications. - [K1A_U01]		
2. Can make a plan and procedures to be followed in the event of an emergency. - [K1A_U03]		
3. Can apply different methods for assessing the effectiveness of systems to prepare for emergencies. - [K1A_U15]		
4. Can identify risks that may impede the functioning of the organizational units. - [K1A_U14]		
<b>Social competencies:</b>		

1. Is able to recognize the need for continuous improvement of knowledge, skills and cooperation between individuals within the emergency systems at the national level and to prepare for emergency situations in companies. - [K1A\_K01]  
 2. Is aware of the broad structure of the relationships of entities involved in the rescue system. - [K1A\_K02]  
 3. Has a sense of responsibility for their own work and is willing to comply with the principles of teamwork and shares responsibility for the performed tasks - [K1A\_K03]

### Assessment methods of study outcomes

Formative assessment:

Lectures: based on a written tests fro the material covered during the lectures

Collective assessment:

Lectures: an arithmetic average taken from the written tests; the answer is scored 0-1; credits will be given after achieving 51% of the total points.

### Course description

Analysis of hazards. Methods of assessment regarding emergency preparedness. Analysis of the event. Rescue arrangements. Rescue in Poland and abroad. Levels directing rescue operations. Support decision-making. Geographic information systems. Ecological, chemical, engineering and medical rescue. National Fire fighting and Rescue System. The State Emergency Medical Services. Fighting fires, technical failures and natural disasters. The role and tasks of the public administration, inspection, fire and rescue system. Cooperation between the institutions. The role of voluntary organizations and NGOs in rescue. Humanitarian aid organizations.

#### Basic bibliography:

1. Ustawy i Rozporządzenia RP
2. Szymonik A., Organizacja i funkcjonowanie systemów bezpieczeństwa. Zarządzanie bezpieczeństwem, Wydawnictwo Difin, Warszawa 2011

#### Additional bibliography:

### Result of average student's workload

Activity	Time (working hours)	
1. Participation in lectures	30	
2. Preparation for a written test	20	
3. Overview of lecture assignment	2	
Student's workload		
Source of workload	hours	ECTS
Total workload	52	3
Contact hours	32	2
Practical activities	20	1