

Óbuda University, Donát Bánki Faculty of Mechanical and Safety Engineering		<b>Institute of Mechanics and Safety Sciences</b>	
<b>Title</b> <b>OSH safety engineering</b>	<b>NEPTUN code:</b> BBEMBE1BNE	<i>weekly 2 hours practice</i>	<b>ETCS: 3</b> <b>Grading by examination</b>
Qualifications in which the subject is taught: bachelor's degree in mechatronics engineering (in English), full-time course			
Supervisor	Szabó Gyula PhD Associate professor	Teacher	Szabó Gyula PhD Associate professor
<b>Pre-requirements:</b> 120 ETCS			
<b>Description</b>			
As a future responsible middle manager, the student will be able to provide safe and healthy working conditions for himself and his subordinates and to solve related control, educational and organizational tasks. He/she will be able to contribute to the risk assessment of existing and planned workplaces and machinery and the plan of accident prevention and measures.			
<b>Professional competencies provided</b>			
He/she is familiar with the safety, health, SHE and quality assurance and control (QA / QC).requirements related to his / her field. Knows the basics of management, occupational health and legislation areas that are primarily related to the profession, their limits and requirements. He/she takes responsibility for his/her findings and professional decisions made in the documentation, and for the work processes performed by him/her and under his/her control.			
<b>schedule</b>			
week	Topic		
1	Framework Directive. Tripartite consultation		
2	Risk assessment		
3	Workplace, temporary or mobile work sites		
4	Machinery safety and work tools		
5	Physical hazards and biological agents		
6	Personal protective equipment		
7	Workload, ergonomic risks		
8	Chemical agents and chemical safety		
9	Psychosocial risks and workplace health		
10	Sector specific and worker related provisions		
11	Occupational health and safety management		
12	Accident investigation		
13	Closing		
14			
<b>Mid - term requirements</b>			
1-14	presence at least 10 times		
2-13	successful presentation		
14	successful test		
<b>Method of replacement: the test can be repeated once during the semester</b>			
<b>Literature:</b>			
Guide to application of the. Machinery Directive 2006/42/EC. Edition 2.2 – October 2019			
E-learning material available in the Moodle system			
Dr. Szabó Gyula: Practice of Ergonomics (2014)			

Budapest, 10 May 2020

Dr. Szabó Gyula