



## DESCRIPTION OF THE SUBJECT

<b>FIELD OF STUDY</b>	<b>ALL</b>
<b>SPECIALISATION</b>	-
<b>MODE OF STUDY</b>	Full-time/ Part-time
<b>SEMESTER</b>	I

<b>Name of the subject</b>	<b>Occupational health and safety with elements of ergonomics</b>	
<b>Hourly dimension of particular forms of classes</b> <ul style="list-style-type: none"><li>lectures</li></ul>	Full-time studies – 5 Part-time studies – 5	
	Full-time studies – 5 Part-time studies – 5	
<ul style="list-style-type: none"><li>other forms</li></ul>		

<b>Learning objectives:</b>	<ul style="list-style-type: none"><li>Familiarise with basic principles of occupational safety and health and elements of ergonomics.</li><li>Familiarise you with the legislation governing health and safety in the workplace.</li></ul>
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<b>Learning outcomes for the subject</b>	
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<b>Number</b>	<b>Learning outcomes, a student who has successfully completed the course will be able to:</b>	<b>Reference of learning outcomes for the programme</b>	<b>The reference to the learning outcomes for the area</b>
<b>EK_W01</b>	present the legal basis for occupational health and safety in Poland and define the basic tasks of occupational health and safety services and indicate the basic rules of occupational health and safety applicable to employers and employees preventing accidents at work.	K_W13	P6S_WK
<b>EK_U02</b>	take action to eliminate sources of danger to student health and life during studies and everyday life.	K_U01	P6S_UW
<b>EK_K03</b>	observe the basic principles of occupational safety and health, and can link actions for this area of safety with the area of public safety.	K_K09	P6S_KR

<b>Content number</b>	<b>Educational/ curricular content</b>	<b>Reference to learning outcomes for the subject</b>
	<b>Lectures</b>	
<b>T_01</b>	Economic and legal aspects of labour protection. Factors in the working environment	K_W01 K_U02 K_K03

<b>T_02</b>	Occupational exposure to chemical agents, dusts, electric current, magnetic radiation, optical and laser radiation, ionizing radiation	K_W01 K_U02 K_K03
<b>T_03</b>	Ergonomics in the design of working conditions	K_W01 K_U02 K_K03
<b>T_04</b>	Organisational characteristics and their impact on safety behaviour	K_W01 K_U02 K_K03

<b>Methods and forms of teaching</b>	<b>Educational and curricular content</b>
Lecture with multimedia presentation of selected issues	T_03
Conversation lecture	T_02, T_04
Problem-based lecture	
Informative lecture	T_01
Discussion	
Work with text	
Case study method	
Problem-based learning	
Didactic/simulation game	
Exercise method	
Workshop method	
Project method	
Multimedia presentation	
Audio and/or video demonstration	
Activating methods (e.g. brainstorming, SWOT analysis technique, decision tree technique, snowball method, constructing mind maps)	
Other (which ones?) - ...	
...	

<b>Evaluation criteria in relation to particular learning outcomes</b>				
<b>Learning outcome</b>	<b>For the assessment 2</b>	<b>For the assessment 3</b>	<b>For the assessment 4</b>	<b>For the assessment 5</b>
<b>EK_W01</b>	The student is not able to present the legal basis of occupational safety and health binding in Poland and to define the basic tasks of OSH services or OSH rules binding for employers and employees.	Students will be able to give a basic introduction to the legal basis of occupational safety and health in Poland, the basic tasks of OSH services and the basic OSH rules for employers and employees which prevent accidents at work.	Students will be able to give a good account of the legal basis for occupational safety and health in Poland, the basic tasks of OSH services and the basic OSH rules for employers and employees which prevent accidents at work.	Students will be able to very well present the legal basis of occupational safety and health in Poland and specify basic tasks of OSH services as well as indicate basic OSH rules for employers and employees preventing accidents at work.
<b>EK_U02</b>	The student is not able to take action to eliminate sources of danger to the student's health and life	The student is sufficiently able to take measures to eliminate the sources of threats to student's health	The student is able to take measures to eliminate sources of danger to health and life	The student is able to undertake actions aimed at elimination of the sources of threats to health and life of the

	during his/her studies and everyday life.	and life during his studies and everyday life.	of the student during the studies and everyday life.	student during the studies and everyday life to a very good extent.
<b>EK_K03</b>	The student is not able to observe basic rules of safety and hygiene at work.	The student is able to observe basic principles of safety and hygiene at work.	The student is able to correctly observe the principles of safety and hygiene at work.	The student is able to follow basic rules of safety and hygiene at work to a very good extent.

Verification of learning outcomes	Symbols EK for the module/subject		
	W01	U02	K03
Written test			
Oral exam			
Written credit			
Oral credit	X	X	X
Written colloquium			
Oral colloquium			
Test			
Project			
Written work			
Report			
Multimedia presentation			
Work during exercises			
Other (which ones?) -			

<b>Number of ECTS credits and their calculation for full-time studies</b>	0 points ECTS
	<b>Balance of workload for the average student:</b> - attendance at lectures: .....5 x 1 hours = 5 hours,
Total student workload	5 hours

<b>Number of ECTS credits together with their calculation for part-time studies</b>	0 points ECTS
	<b>Balance of workload for the average student:</b> - attendance at lectures: .....5 x 1 hours = 5 hours.
Total student workload	5 hours

<b>Reference literature</b>	<ul style="list-style-type: none"> <li>- Bugajska J., (i in.), <i>Ergonomia</i>, Warszawa 2001.</li> <li>- Kordecka D., (red.), <i>Bezpieczeństwo pracy i ergonomia</i>, Warszawa 1997.</li> <li>- Rączkowski B., <i>BHP w praktyce</i>, Warszawa 2007.</li> <li>- Markowski A.S., (red.), <i>Zapobieganie stratom w przemyśle. Cz. II. Zarządzanie bezpieczeństwem i higieną pracy</i>, Łódź 1999.</li> <li>- Penc J., <i>Ergonomia przemysłowa a wydajność pracy</i>, Warszawa 1979.</li> </ul>
<b>Complementary literature</b>	<ul style="list-style-type: none"> <li>- Batogowska A., Malinowski A., <i>Ergonomia dla każdego</i>, Poznań 1997.</li> <li>- Kania J., <i>Metody Ergonomiczne</i>, Warszawa 1980.</li> <li>- Kowal E., <i>Ekonomiczno-społeczne aspekty ergonomii</i>, Warszawa-Poznań 2002.</li> <li>- Lewandowski J., (red.), <i>Ergonomia. Materiały do ćwiczeń i projektowania</i>, Łódź 1995.</li> <li>- Piotrowski J.K., Piotrowski B., Byczkowska Z., (red.), <i>Toksykologia przemysłowa</i>, Łódź 1993.</li> </ul>

