		STUDY MODULE D	ESCRIPTION FORM					
	f the module/subject	Code 1011101261	011134358					
Field of	study	Full-time studies - First-	Profile of study (general academic, practical) (brak)	of study Year /Semester al academic, practical)				
Elective	path/specialty	<u>-</u>	Subject offered in: Polish		npulsory, elective) ective			
Cycle of	study:		Form of study (full-time,part-time)					
	First-cyc	cle studies	full-time					
No. of h	ours			No. of credit	ts			
Lectur	e: 15 Classes	s: 30 Laboratory: -	Project/seminars:	30	4			
Status o		program (Basic, major, other) (brak)	(university-wide, from another f	^{ield)} (brak)				
Educatio	on areas and fields of sci	ence and art		ECTS distrib	oution (number			
techn	nical sciences			4 100%)			
Resp	onsible for subj	ect / lecturer:	Responsible for subje	ct / lecturer:				
ema tel. (Inży	aż. Rafał Mierzwiak kil: rafal.mierzwiak@pi 61 6653437 nierii Zarządzania Strzelecka 11, 60-965		tel. 61 665 34 05 Inżynierii Zarządzania	nail: rafal.mierzwiak@put.poznan.pl .61 665 34 05				
Prere	quisites in term	s of knowledge, skills an	d social competencies:					
1	Knowledge	Student has knowledge concern	tudent has knowledge concerning economic conditionings of business operations.					
2	Skills	business activity.	be basic rules and economic processes having an influence on be basic requirements in the scope of occupational safety in					
3	Social competencies	Student is aware of a social con	dent is aware of a social context of a business activity in the scope of safety and health, I understands the need for optimising the economic issues of occupational health and					
Assu	mptions and obj	ectives of the course:						
		to acquire knowledge, skills and onal safety and health problems in			gularities, and			
	Study outco	mes and reference to the	educational results for	a field of st	udy			
Know	/ledge:							
1. Stud	lent has knowledge co	oncerning occupational safety and	health costs in companies - [k	(1A_W28]				
2. Stud	lent knows basic term	inology connected with economic	aspects of occupational safety	- [K1A_W31]				
	lent knows and unders alculation - [K1A_W28	stands basic activities, methods an 8]	nd tools connected with occupa	itional safety an	d health (OSH)			
		thin occupational safety economic	cs - [K1A_W28]					
Skills					A 11401			
 Student can describe and analyse economic and social phenomena concerning occupational safety - [K1A_U12] Student can use economic methods and tools to solve occupational safety problems - [K1A_U12] 								
	lent will be able to tak	e up decisions concerning solution		-	ic analysis -			
		analyse the issues concerning of	ccupational safety costs in busi	ness managem	ent - [K1A_U12]			
Socia	I competencies:							

1. Student is aware of the need for continuous self-education in the scope of a pro-active approach to occupational safety with a particular consideration of economic issues in this area - [K1A_K01]

2. Student is aware of the costs significance in occupational safety - [K1A_K02]

3. Student is aware of the significance of an active participation in enterprises? economic analysis which improve the state of working conditions - [K1A_K02]

4. Student is aware of ethical problems? significance in economisation of actions within the scope of occupational safety - [K1A_K05]

Assessment methods of study outcomes

Ongoing appraisal

a)within the scope of project works: spoken responses, which purpose is justifying an accepted solution for a semester project?s element

b)within the scope of seminars: on the basis of written or spoken assessment of tasks performed during the classes c)within the scope of lectures: on the basis of written or spoken assessment concerning current material or the material discussed during last classes

Summative assessment

a)within the scope of project works: on the basis of a written report from performed project works

b)within the scope of seminars: on the basis of grade point average from written and spoken tests (scale from 2 to 5 ? F to A) c)within the scope of lectures: on the basis of written test containing 5 descriptive questions. Each question is scored from 1 to 5 (F to A). A positive grade is achieved when a student gets at least 50% points possible to achieve.

Course description

1. Occupational safety as an element of management.

2. Economic conditionings of decisions (a producer?s and employee?s decisions) taken in the scope of occupational safety. 3. Types of benefits and costs in occupational safety.

4. Methods used for evaluating benefits and costs when ensuring occupational safety which include methods for evaluating economic results of occupational accidents and diseases, and presence of risk for human and environment safety.

5. Decision optimisation in the scope of ensuring occupational safety.

6.Economic instruments of ensuring occupational safety.

Basic bibliography:

1. Ekonomiczne aspekty ochrony pracy, w: Koradecka D. (red.), Bezpieczeństwo pracy i ergonomia, Rzepecki J., CIOP, Warszawa, 1999

2. Rzepecki J., Ekonomiczne aspekty kształtowania warunków pracy. Bezpieczeństwo Pracy 12/2007.

3. Sierpińska M., Jachna T., Ocena przedsiębiorstw według standardów światowych, PWN 2004.

Additional bibliography:

1. Podstawy prowadzenia analizy kosztów i korzyści bhp, Rzepecki J., CIOP, Warszawa, 2006

2. BHP w Przedsiębiorstwie. Model analizy korzyści i kosztów ochrony pracy, Rzepecki J., Bezpieczeństwo pracy 2(2002), Warszawa, 2002

3. Kowal E., Ekonomiczne aspekty ergonomii. PWN, Warszawa-Poznań 2002.

4. Writings on the subject quoted during discussions held on Web pages Economic problems of work safety (http://fedcba.ning.com/xn/detail/2516803:Comment:114483).

Result of average student's workload

Activity			ime (working hours)		
1. Participation in lectures		15			
2. Participation in seminars		30			
3. Participation in project works		30			
4. Preparation to project works		6			
5. Preparation to seminars		3			
6. Preparation to lecture?s assessment.		6			
Student's workload					
Source of workload	ho	urs	ECTS		
Total workload	90	4			
Contact hours	75	0			

Practical activities 60 0						
	Practical activities	00	0			