		STUDY MODULE DE	SCRIPTION FORM				
	the module/subject	ous work and work safety	Code 1011102331011125150				
Field of a	study	-	Profile of study	Year /Semester			
Engi	neering Manage	ment - Full-time studies -	(general academic, practical) general academic	2/3			
Elective path/specialty			Subject offered in:	Course (compulsory, elective)			
		stems and Ergonomics	Polish	elective			
Cycle of	study:		Form of study (full-time,part-time)				
Second-cycle studies full-time							
No. of h				No. of credits			
Lectur	0.00000	1	Project/seminars:	- 4			
Status o	-	program (Basic, major, other) other	(university-wide, from another f	ersity-wide			
Educatio	on areas and fields of sci		unit	ECTS distribution (number			
				and %)			
socia	l sciences			4 100%			
Rosp	onsible for subi	oct / lecturer:					
-	onsible for subje						
	m Górny, Ph.D., Eng. il: adam.gorny@put.p	oznan.pl					
tel. 6	61 665 3408						
	ulty of Manangement I trzelecka 11, p. 318c,	0 0					
		s of knowledge, skills and	l social competencies:				
Fiele	quisites in term	s of kilowieuge, skills allo	i social competencies.				
1	Knowledge	Basic information on safety management systems according to standards OHSAS-18001 and series PN-N-18000. Knowledge of methods of occupational risk assessment.					
2	Skills	Ability to analyze the working env	vironment.				
3	Social competencies	Awareness of health and safety a	at work.				
Assu	-	ectives of the course:					
The ain	n of the course is to fa	miliarize students with the basic sa	afety and health management	systems at work.			
Study outcomes and reference to the educational results for a field of study							
Know	ledge:						
1. Has	knowledge of the subj lied research method	ect regarding contextual sciences s as well as common and specific of					
2. Can	use the theoretical kn	owledge to describe and analyse the					
legal, e	1	an formulate their own opinions an	a choose critical data and met	mods of analysis - [K2A_W06]			
1. Is ab	le to correctly interpre	et and explain the phenomenon of on phenomena - [K2A_U01]	cultural, social, political, legal,	economic), and mutual			
	I, political, legal, econ	owledge to describe and analyze to owledge to describe and analyze to owner, as well is able to formulate					
politica		ome complex social processes that ng advanced methods and tools in 2A_U04]					
	4. Has the ability to use knowledge gained in different areas and forms, extended by a critical review of the effectiveness and suitability of the applied knowledge - [K2A_U06]						
	5. Has the ability to independently propose solutions to a specific management problem and to carry out a resolution procedure, in this regard - [K2A_U07]						
	I competencies:						
JUCIA	i competencies:						

1. Can perceive causal relationships in the achievement of goals and rank the significance of alternative or competitive tasks - [K2A_K03]

2. Can contribute to a factual input in the preparation of the social projects and manage the ventures resulting from these projects - [K2A_K05]

3. Is aware of the interdisciplinary character of knowledge and skills that are needed to solve complex problems of an organization and a necessity to create interdisciplinary teams - [K2A_K06]

Assessment methods of study outcomes

Formative assessment:

Classes: on the basis of a report in a class,

Lectures: on the basis of information check from previous lectures

Collective assessment:

Classes: average of the grades achieved report preparation

Lectures: written test, in which at least one answer in correct (scored 0,1) or written answers to open questions (scored 0-3);. Credits will be given after achieving at least 51% of points.

Course description

The nature and objectives of safety management system and health of workers in enterprises. Characteristics of the basic models of safety management systems and health at work. Costs of occupational safety. Methods for assessing the functioning of the occupational safety management. Methods risk assessment in occupational safety management systems. Computer tools to help manage occupational safety.

The lecture is conducted in the form of a conventional lecture.

During the exercise there is the round table discussion. During the discussion, the case study and situational method are used. Preparing for classes requires a student's self-study, including work with a book.

Basic bibliography:

1. Dahlke G., Górny A., Horst W. (2013), Zarządzanie uciążliwością i bezpieczeństwem pracy, Wydawnictwo Politechniki Poznańskiej, Poznań.

2. Górny A. (2011), Zarządzanie ryzykiem zawodowym, Wydawnictwo Politechniki Poznańskiej, Poznań.

3. Górska, E., Lewandowski, J. (2010), Zarządzanie i organizacja środowiska pracy. Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa.

4. Karczewski J.T., Karczewska, K.W. (2012), Zarządzanie bezpieczeństwem pracy, ODiDK, Gdańsk.

Additional bibliography:

1. prac. zb. (2013), Zarządzanie. Teoria i praktyka, PWN, Warszawa

2. Bryła R. (2011), Bezpieczeństwo i higiena pracy, Elamed, Katowice.

3. Górny A. (2009), Kształtowanie warunków oświetleniowych jako czynnika minimalizacji uciążliwości pracy, [w:] J. Charytonowicz (red.), Wybrane kierunki badań ergonomicznych w 2009 roku, ss. 59-70, Wydawnictwo Polskiego Towarzystwa Ergonomicznego PTErg, Oddział we Wrocławiu, Wrocław.

4. Górny A. (2011), Kryteria SMART w planowaniu działań podejmowanych po ocenie ryzyka zawodowego, [w:] J. Charytonowicz (red.), Zastosowania ergonomii. Wybrane kierunki badań ergonomicznych w 2011 roku, ss. 75-86, Wydawnictwo Polskiego Towarzystwa Ergonomicznego PTErg, Oddział we Wrocławiu, Wrocław.

5. Górny A. (2008), Wykorzystanie FMEA w procesie identyfikacji zagrożeń i oceny ryzyka zawodowego, [w:] J.

Charytonowicz, W. Pilecki (red.), Zastosowania Ergonomii / Wybrane kierunki badań ergonomicznych w 2008 roku, ss. 75-86, Wydawnictwo Polskiego Towarzystwa Ergonomicznego PTErg, Oddział we Wrocławiu, Wrocław.

6. Górny A., Ogrodowczyk P. Górny A. (2008), Wykorzystanie elementów systemowego zarządzania bezpieczeństwem pracy w doskonaleniu warunków pracy, [w:] E. Kowal (red.), Inżynieria Ergonomii, t. II: Zarządzanie warunkami pracy, ss. 15-24, Uniwersytet Zielonogórski, Zielona Góra.

Result of average student's workload

Time (working hours)
30
15
25
15
25
-

Source of workload	hours	ECTS
Total workload	110	4
Contact hours	60	2
Practical activities	15	1