		STUDY MODULE D	ESCRIPTION FORM			
Name of the module/subject Formation the safety of articles					Code 1011101241011124338	
Field of	study		Profile of study		/Semester	
Safe	ty Engineering -	Full-time studies - First-	(general academic, practica (brak))	2/4	
Elective path/specialty			Subject offered in: Polish	Cour	rse (compulsory, elective) elective	
Cycle of study:			Form of study (full-time,part-time)			
First-cycle studies			full-time			
No. of h	iours			No. o	of credits	
Lectur	re: 15 Classes	s: 30 Laboratory: -	Project/seminars:	30	7	
Status o	-	program (Basic, major, other)	(university-wide, from another field)			
		(brak)		(brak)		
Education areas and fields of science and art				ECT and 9	S distribution (number %)	
techr	nical sciences			100) 7%	
	Technical scie	ences			100 7%	
Wyd ul. S	605883000 dział Inżynierii Zarządz Strzelecka 11 60-965 P equisites in term		d social competencies	:		
1	Knowledge	Knowledge of production technic	que			
2	Skills	Group discussion				
3	Social competencies	Possesses the ability to search for sources of knowledge				
Assu	mptions and obj	ectives of the course:				
		urse is to acquaint the students wi the means of identification, criteri				
	Study outco	mes and reference to the	educational results fo	r a field	of study	
Knov	vledge:					
1. has	orderly, theoretically s	supported general knowledge of te	chnical security - [K1A_W08]			
		nent trends and best practices in te				
		oducts, equipment, objects and te				
technic	cal systems - [K1A_W	-				
5. kno\ [K1A_\		hniques and materials used in tec	hnology, including the ones de	signed for	r improving quality	

Skills:

1. can make use of analytic, simulation and experimental methods to formulate and solve engineering problems - [K1A_U01]

2. can apply various techniques in order to communicate in occupational environment and other environments - [K1A_U02]

3. . can create, both in English and Polish language, a well- documented report of problems within Security Engineering - [K1A_U03]

4. can prepare and give oral presentation relating to detailed issues within the realm of Security Engineering in Polish and other foreign language - [K1A_U04]

5. has self-study ability and comprehends it - [K1A_U05]

6. can conduct a critical analysis of the ways in which technical solutions function and assess, by means of Security Engineering, the existing technical solutions, in particular machines, equipment, objects, systems, services and processes - [K1A_U13]

7. can identify and formulate the specification of simple engineering tasks, that are of practical nature, typical of Security Engineering - [K1A_U14]

8. . can, according to a given specification, design and operate simple equipment, object, system or a process, typical for Security Engineering, by means of appropriate methods, techniques and tools - [K1A_U16]

Social competencies:

1. . understands the need and knows means how to self-study (first, second and third cycle studies, postgraduate studies, qualification courses)- improving professional, personal and social competence; can argument the need to learn for the whole life - [K1A_K01]

2. Student is fully aware of the responsibility that he has taken for his own work and expresses readiness to comply with the rules of team work as well as responsibility for mutually realized and completed tasks - [K1A_K03]

Assessment methods of study outcomes

Formative assessment:

In regards to practicals, current check of the acquired knowledge and skills learnt during exercises- discussion, Regarding project work, presentation of the achieved results

Collective assessment:

In respect to practicals, average of the scores achieved during classes,

Considering a project, presentation of the final project.

Considering a lecture, test based exam during exam session

Course description

Definitions of products security. Applied security marks of various products and authorities responsible for their compliance. Features of hazardous products. Procedures which improve products security and issues dealing with imaging potential threats tat lead to dangerous situation. Tools that ensure safety of different product groups. Reliability and ways to reserve. Products security in terms of a project approach. Product security of particular stages of their existence. Institutions and authorities responsible for supervision over products security.

Basic bibliography:

Additional bibliography:

Result of average student's workload

Activity		Time (working hours)
1. lecture		15
2. practicals	30	
3. project	30	
4. individual work		25
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	140	7
Contact hours	75	4

Practical activities	50	2