		STUDY MODULE DE	ESCRIPTION FORM	
	f the module/subject nation the safety	Code 1011104241011124338		
Field of	study		Profile of study	Year /Semester
Safe	ty Engineering -	Part-time studies - First-	(general academic, practical) (brak)	2/4
Elective path/specialty			Subject offered in: Polish	Course (compulsory, elective) elective
Cycle o	f study:		Form of study (full-time,part-time)	
First-cycle studies			part-time	
No. of h	nours			No. of credits
Lectu	Classes		Project/seminars:	12 7
Status of	-	program (Basic, major, other)	(university-wide, from another	,
Educati		(brak)		(brak)
Educati	on areas and fields of sci	ence and art		ECTS distribution (number and %)
techr	nical sciences			100 7%
	Technical scie	ences		100 7%
tel. Wyd ul. S	ail: marcin.butlewski@ 605883000 dział Inżynierii Zarząd: Strzelecka 11 60-965 I equisites in term	zania	d social competencies:	
1	Knowledge	Knowledge of production techniq	lne	
2	Skills	Group discussion		
3	Social competencies	Possesses the ability to search for	or sources of knowledge	
Assu	mptions and obj	ectives of the course:		
		urse is to acquaint the students wit the means of identification, criteria		
	Study outco	mes and reference to the	educational results for	a field of study
Knov	vledge:			
1. has	orderly, theoretically s	supported general knowledge of tee	chnical security - [K1A_W08]	
		nent trends and best practices in te		
		oducts, equipment, objects and te		
	ws some basic notions cal systems - [K1A_W	s connected with reliability and sec [20]	urity in relation to maintaining	tecnnical appliances, objects and
5. knov [K1A_\		hniques and materials used in tech	nnology, including the ones de	signed for improving quality
Skills	3:			

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