

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Statistics		Code 1011102211011001935
Field of study Safety Engineering - Full-time studies - Second-	Profile of study (general academic, practical) (brak)	Year /Semester 1 / 1
Elective path/specialty Work Safety Management	Subject offered in: Polish	Course (compulsory, elective) obligatory
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 15 Classes: 15 Laboratory: - Project/seminars: -		No. of credits 4
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art		ECTS distribution (number and %)
Responsible for subject / lecturer: dr Maria Iwińska email: maria.iwinska@put.poznan.pl tel. +48(61)6652349 Faculty of Electrical Engineering ul. Piotrowo 3a, 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student knows basic notions in calculus.
2	Skills	Student can operate a calculator.
3	Social competencies	Student recognizes the necessity in deepening his knowledge.
Assumptions and objectives of the course: to acquire basic descriptive measures and develop the ability to use these measures to solve application problems.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student knows methods of sampling. - [K2A_W02]		
2. Student knows measures of association between two variables. - [K2A_W02]		
3. Student knows components of a time series and index numbers. - [K2A_W02]		
Skills:		
1. Student is able to interpret the information from a sample and to draw conclusions. - [K2A_U8]		
Social competencies:		
1. Student is able to argue the necessity of continuous learning. - [K2A_K1]		
Assessment methods of study outcomes		
Forming score: on the basis of written tests. Summary score: the average points obtained by the written tests.		
Course description		

<p>Graphical descriptions of data. Measures of location . Measures of variability. Crosstabulations and scatter diagrams. Correlation and simple linear regression. Time series, forecasting, and index numbers.</p>		
<p>Basic bibliography:</p>		
<p>Additional bibliography:</p>		
<p>Result of average student's workload</p>		
<p>Activity</p>	<p>Time (working hours)</p>	
1. Participation in lectures	15	
2. Participation in exercises	30	
3. Preparation for exercises	30	
4. Preparation for tests	30	
5. Preparation for lectures	15	
<p>Student's workload</p>		
<p>Source of workload</p>	<p>hours</p>	<p>ECTS</p>
Total workload	120	5
Contact hours	47	2
Practical activities	30	1