Information sheet for the course
Selected Chapters from Mathematics

University: *Alexander Dubček University of Trenčín*	
Faculty: *Faculty of Industrial Technologies in Púchov*	
Course unit code: *TTN-P-3*	**Course unit title:** *Selected Chapters from Mathematics*
Type of course unit: *compulsory*	
Planned types, learning activities and teaching methods: *Lecture: 2 hours weekly/26 hours per semester of study; face to face* *Seminar: 2 hours weekly/26 hours per semester of study; face to face* *Laboratory tutorial:0*	
Number of credits: *4*	
Recommended semester: *the 1ˢᵗ semester in the 1ˢᵗ year full-time form of study* *the 1ˢᵗ semester in the 1ˢᵗ year part-time form of study*	
Degree of study: *the 1ˢᵗ degree of study (Bachelor's degree)*	
Course prerequisites: *none*	
Assessment methods: *Lecturers, exercise*	
Learning outcomes of the course unit: *The student is familiar with the basic knowledge of undergraduate mathematics mainly with focus on statistics and its use in Excel. The student can make a statistical analysis of the data in Excel.*	
Course contents: *Fundamental elements of sets, logic, basic math concepts.* *Basic real functions of one real variable and their properties.* *Fundamentals elements of differential calculus of functions of one variable.* *Basics of integral calculus.* *Fundamentals elements of probability theory.* *Fundamentals elements of Statistics.* *Theoretical applications of statistics for data processing.* *Application of Statistics data processing using Excel.*	
Recommended of required reading: *Ivan, J.: Matematika I, II, Alfa, Bratislava 1989* *Stuchlý: Matematika IV-štatistika, skriptá VŠDS Žilina* *Eliáš, Horvath, Kaján: Zbierka úloh z vyššej matematiky I* *Eliáš, Horvath, Kaján.: Zbierka úloh z vyššej matematiky II* *Programovací jazyk Excel*	
Language: *Slovak*	
Remarks:	

Evaluation history:

A	B	C	D	E	FX

Lecturers: *doc. RNDr. Ladislav Matejíčka, CSc.*	
Last modification: *16.03.2015*	
Supervisor: *doc. Ing. Pavol Lizák, PhD.*	