

Information sheet for the course: Selected Chapters in Mathematics I

University: Alexander Dubček University of Trenčín						
Faculty: Faculty of Industrial Technologies in Púchov						
Course unit code: PP-P-1			Course unit title: Selected Chapters in Mathematics I			
Form, scope and method of educational activity:						
Form of study: Lecture / Seminar / Laboratory tutorial						
Recommended number of lessons (hours):						
Weekly: 2/2/0 During the semester: 24/24/0 Method of study: attendance method						
Number of credits: 5						
Recommended semester: winter						
Degree of study: The 1st degree of study						
Course prerequisites:						
Assessment methods:						
Assessment during the semester:						
Summary assessment of work results during the semester = 40 points						
The condition for participation in the final test is to obtain at least 20 points during the semester.						
Final assessment:						
Assessment of exam results = 60 points						
Grading scale:						
Grade A: 91 – 100 points						
Grade B: 81 – 90 points						
Grade C: 71 – 80 points						
Grade D: 61 – 70 points						
Grade E: 55 – 60 points						
Grade FX: less than 55 points						
Learning outcomes of the course unit:						
The student masters university mathematics to the necessary extent and quality so that he can make all the necessary technical calculations throughout his studies and can use the acquired knowledge in subsequent subjects and practice.						
Course contents:						
Basic concepts, set, mathematics, logic.						
Selected states from algebra.						
Real functions of one variable.						
Differential calculus of a real function.						
Indefinite integral.						
Definite integral.						
Recommended of required reading:						
1. Sherman K. Stein: Calculus and Analytic Geometry, Fourth edition, McGRAW-HILL BOOK COMPANY						
2. https://tutorial.math.lamar.edu/						
Language:						
English						
Remarks: Compulsory course						
Evaluation history: 0						
Total number of graded students:						
A	B	C	D	E	FX	
0.0	0.0	0.0	0.0	0.0	0.0	
Lecturers: doc. RNDr. Soňa Pavlíková, CSc						
Last modification: 31.08.2022						
Supervisor: prof. Ing. Ján Vavro, PhD.						