

Information sheet for the course Seminar in Mathematics I

University: <i>Alexander Dubček University of Trenčín</i>						
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>						
Course unit code: <i>PP-PV-2</i>			Course unit title: <i>Seminar in Mathematics I</i>			
Type of course unit: <i>optional</i>						
Planned types, learning activities and teaching methods:						
<i>Lecture:0</i>						
<i>Seminar: 2 hours weekly/26 hours per semester of study; face to face</i>						
<i>Laboratory tutorial:0</i>						
Number of credits: 2						
Recommended semester: <i>1st semester in the 1st year full-time</i> <i>1st semester in the 1st year part-time</i>						
Degree of study: <i>the 1st degree of study (Bachelor's degree)</i>						
Course prerequisites: <i>none</i>						
Assessment methods:						
<i>Lecturers</i>						
Learning outcomes of the course unit:						
<i>The student will acquire spectrum of practical habits and skills needed to solve specific examples of Mathematics I and to practice typical procedures used to solve mathematical problems of linear algebra, functions of a real variable, limits of sequences and limits of functions, differential calculus of functions of one real variable, integral calculus.</i>						
Course contents:						
<i>The solution of a set of examples of mathematics, logic.</i>						
<i>Solving problems of algebra.</i>						
<i>Solution examples of real functions of one variable.</i>						
<i>Solution examples of differential calculus of real functions.</i>						
<i>Solution examples of indefinite integral.</i>						
<i>Solution examples of definite integrals.</i>						
Recommended of required reading:						
<i>J. Ivan, Matematika I, Alfa 1983</i>						
<i>I. Fabrici, M. Šabo, Matematika I, STU Bratislava, 1997</i>						
<i>M. Šabo, Matematika I, STU Bratislava, 2009</i>						
<i>Klúvánek, Mišík, Švec: Matematika I, Alfa Bratislava.</i>						
<i>Eliaš J., Horváth J., Kajan J., Zbierka úloh z vyššej matematiky, 1. časť, 3. vydanie, Bratislava, ALFA 1971.</i>						
<i>Eliaš J., Horváth J., Kajan J., Zbierka úloh z vyššej matematiky, 2. časť, 3. vydanie, Bratislava, ALFA 1972.</i>						
Language: <i>Slovak</i>						
Remarks:						
Evaluation history:						
A	B	C	D	E	FX	

Lecturers: <i>doc. RNDr. Ladislav Matejíčka, CSc.</i>					
Last modification: <i>31.03.2015</i>					
Supervisor: <i>doc. Ing. Ján Vavro, PhD.</i>					