

Information sheet for the course Mathematics Seminar I

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>					
Course unit code: <i>MI-PV-3</i>			Course unit title: <i>Mathematics Seminar 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: <i>2</i>					
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, exercises</i>					
Learning outcomes of the course unit: <i>Students obtain practical experience and skills needed to deal with concrete examples of Mathematics I, which are typologically oriented to the role of technical experience. They can handle 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>Solution of examples from the theory of boolean math, logic</i> <i>Solution examples from the theory of algebra</i> <i>Solution of examples from the theory of real functions of one variable</i> <i>Solution of examples from the theory of differential calculus of real functions</i> <i>Solution of examples from the theory of indefinite integral</i> <i>Solution of examples from the theory 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>Kluvánek, 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>31.03.2014</i>					
Supervisor: <i>prof. Ing. Darina Ondrušová, PhD.</i>					