Information sheet for the course
Mathematics I

University: *Alexander Dubček University of Trenčín*

Faculty: *Faculty of Industrial Technologies in Púchov*

Course unit code: *MT-P-1*

Course unit title: *Mathematics I*

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: *5*

Recommended semester: *1st semester in the 1st year full-time*
1st semester in the 2nd year part-time

Degree of study: *the 1st degree of study (Bachelor's degree)*

Course prerequisites: *none*

Assessment methods:
Lecturers, exercises

Learning outcomes of the course unit:
The student masters of mathematics in the required scope and quality as to be able to take all necessary technical calculations for the entire study and knowledge gained can be used in subsequent articles in practice.

Course contents:
Basic concepts, set math, logic.
Selected chapters of algebra.
The real functions of one variable.
Differential calculus of real functions.
Indefinite integral.
Definite integral.

Recommended of required reading:
J. Ivan, Matematika I, Alfa 1983
I. Fabrici, M. Šabo, Matematika I, STU Bratislava, 1997
M. Šabo, Matematika I, STU Bratislava, 2009
Kluvánek, Mišík, Švec: Matematika I, Alfa Bratislava.
Eliaš J., Horváth J., Kajan J., Zbierka úloh z vyššej matematiky, 1. časť, 3. vydanie, Bratislava, ALFA 1971.
Eliaš J., Horváth J., Kajan J., Zbierka úloh z vyššej matematiky, 2. časť, 3. vydanie, Bratislava, ALFA 1972.

Language: *Slovak*

Remarks:

Evaluation history:

A	B	C	D	E	FX

Lecturers: *doc. RNDr. Ladislav Matejíčka, CSc.*

Last modification: *31.03.2014*

Supervisor: *doc. Ing. Marta Kianicová, PhD.*