Information sheet for the course
Mathematics II

University: *Alexander Dubček University of Trenčín*	
Faculty: *Faculty of Industrial Technologies in Púchov*	
Course unit code: *MT-P-8*	**Course unit title:** *Mathematics II*
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: *2nd semester in the 1st year full-time*
2nd 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:
Functions of two or more variables. Differential calculus of functions of several variables. Selected state of differential equations. Plural integrals. Application of these themes to practical engineering.

Recommended of required reading:
J. Ivan, Matematika II, Alfa 1989
Kluvánek, Mišík, Švec: Matematika I, II, Alfa Bratislava.
Eliaš J., Horváth J., Kajan J., Zbierka úloh z vyššej matematiky, 2. časť, 3. vydanie, Bratislava, ALFA 1972.
Eliaš J., Horváth J., Kajan J., Zbierka úloh z vyššej matematiky, 3. časť, 1. vydanie, Bratislava, SVTL 1967.
Eliaš J., Horváth J., Kajan J., Šulka R., Zbierka úloh z vyššej matematiky, 4. časť, 1. vydanie, Bratislava, ALFA 1970

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.*