

## Information sheet for the course Basics of Chemistry

<b>University:</b> <i>Alexander Dubček University of Trenčín</i>					
<b>Faculty:</b> <i>Faculty of Industrial Technologies in Púchov</i>					
<b>Course unit code:</b> <i>TTN-P-4</i>			<b>Course unit title:</b> <i>Basic of Chemistry</i>		
<b>Type of course unit:</b> <i>compulsory</i>					
<b>Planned types, learning activities and teaching methods:</b> <i>Lecture: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Seminar: 0</i> <i>Laboratory tutorial: 0</i>					
<b>Number of credits:</b> <i>3</i>					
<b>Recommended semester:</b> <i>the 1<sup>st</sup> semester in the 1<sup>st</sup> year full-time form of study</i> <i>the 3<sup>rd</sup> semester in the 2<sup>nd</sup> year part-time form of study</i>					
<b>Degree of study:</b> <i>the 1<sup>st</sup> degree of study (Bachelor's degree)</i>					
<b>Course prerequisites:</b> <i>none</i>					
<b>Assessment methods:</b> <i>exam</i>					
<b>Learning outcomes of the course unit:</b> <i>The student knows the basic nature of the information used for understanding the basics of chemistry, its elements, compounds and materials.</i>					
<b>Course contents:</b> <i>Patterns during chemical reactions (basic chemical thermodynamics and kinetics), the basic types of chemical reactions.</i> <i>Atomic structure and chemical bonding.</i> <i>The theory of chemical bonding.</i> <i>The states of matter.</i> <i>Electrical, magnetic, optical and thermal properties of organic compounds.</i>					
<b>Recommended of required reading:</b> <i>1. J. Kováč, Š. Kováč, L. Fišera, A. Krutošíková: Organická chémia, 1,2.-1. vyd. Alfa, Bratislava, 1992. 1292 s. ISBN 80-05-00766-3.</i> <i>2. W. H. Brown: Organic Chemistry, 1.vyd. Saunders College Publishing, New York, 1995. 1115 s. ISBN 0-03-098972-8.</i> <i>3. K. Weissermel, H.-J. Arpe: Industrial Organic Chemistry, VCH, Weinheim, 2003, ISBN 3-527-26995-9.</i> <i>4. J. Svoboda: Organická chemie I, 1.vyd. VŠCHT, Praha, 2007. 310 s. ISBN 97-88-070-80561-9.</i>					
<b>Language:</b> <i>Slovak</i>					
<b>Remarks:</b> <i>-</i>					
<b>Evaluation history:</b>					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Lecturers:</b> <i>Ing. Vladimíra Krmelová, PhD.</i>					
<b>Last modification:</b> <i>16.03.2015</i>					
<b>Supervisor:</b> <i>doc. Ing. Pavol Lizák, PhD.</i>					