

## Inorganic Chemistry

<b>Unit Title</b>	Inorganic Chemistry		
<b>Level of Study</b>	1-3 (1-Beginners, 2 – Medium, 3 - Advanced)		
<b>Credit Value</b>	100	<b>ECTS Value</b>	42
<b>Home Department</b>	Inorganic Chemistry, Chemical Technology and Technosphere Safety		
<b>Home Faculty</b>	Chemistry		
<b>Unit Co-ordinator</b>	Dr. Irina L. Rakitianskaia		
<b>Key Words</b>	<i>s</i> -elements, <i>p</i> -elements, transition metals, rare-earth elements		
<b>Brief Summary</b>	Inorganic Chemistry includes the consideration of chemical properties of all the elements and their compounds and their dependence on the position in the Periodic Table.		
<b>Indicative Content</b>	<p>Students are expected to pass through the following topics:            Chemistry of <i>s</i>-elements and their compounds (includes alkali metals and alkali-earth metals);            Chemistry of <i>p</i>-elements and their compounds (includes noble gases, halogens, chalcogens, pnictogens and III and IV groups of elements);            Chemistry of transition metals and their compounds;            Chemistry of rare-earth elements and their compounds.</p> <p>Theoretical principles will be delivered during the lectures. Theoretical problems which require the calculations, comparison of data, making the conclusions will be considered during the practical seminars. Most of the theoretical topics are supported by laboratory works. In laboratory students work by teams of 2 or 3 students.</p>		