

Information sheet for the course Technology of Production and Elaboration of Inorganic Materials

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Industrial Technologies in Púchov</i>					
Course unit code: <i>MI-P-23</i>			Course unit title: <i>Technology of Production and Elaboration of Inorganic Materials</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>Lecture: 2 hours weekly/26 hours per semester of study; face to face</i> <i>Seminar: 1 hours weekly/26 hours per semester of study;</i> <i>Laboratory tutorial: 2 hours weekly/26 hours per semester of study;</i>					
Number of credits: <i>6</i>					
Recommended semester: <i>4th semester in the 2nd year full-time</i> <i>4th semester in the 2nd 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>Evaluation of course includes partial evaluation: basic technologic operations, explanation of production of gases, inorganic acids, silicate materials, production of metals</i>					
Learning outcomes of the course unit: <i>Student profits the survey on the production and elaboration of different inorganic materials</i>					
Course contents: <ol style="list-style-type: none"> 1. <i>Basic technological operations – mechanic operations</i> 2. <i>Basic technological operations – diffusion, termic operation</i> 3. <i>Production of gases (oxygen, noble gases)</i> 4. <i>Production of inorganic acids (sulfuric acid, nitrous and halogen acids)</i> 5. <i>Production of orthophosphoric acid and fertilizers</i> 6. <i>Production of sodium hydroxide, chlorine and sodium carbonate</i> 7. <i>Silicate industry: production of cement, plaster of Paris, rough ceramics</i> 8. <i>Silicate industry: soft ceramics, glasses</i> 9. <i>Production of metals – production of iron and steel</i> 10. <i>Production of metals: production of aluminium, copper, gold</i> 					
Recommended of required reading: <ol style="list-style-type: none"> 1. <i>Linkešová M., Pavčeková I.: Vybrané kapitoly z chemickej a potravinárskej technológie, PFTU, 2007</i> 2. <i>Fellner P. a kol.: Anorganická technológia, STU Bratislava, 2005</i> 					
Language: <i>Slovak</i>					
Remarks: <i>non</i>					
Evaluation history:					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: <i>prof. Ing. Eugen Jóna, DrSc, Ing. Katarína Moricová, PhD., Mgr. Jana Šulcová, PhD.</i>					
Last modification: <i>31.03.2014</i>					
Supervisor: <i>prof. Ing. Darina Ondrušová, PhD.</i>					