

General Information			
Course name	ÚCHV/ULP/08 Introduction to Laboratory Work	ECTS Credits	2
		Semester	winter
Aims			
Acquiring basic knowledge and skills for working with inorganic substances			
Content			
<p>Basic laboratory techniques necessary for routine use.</p> <p>Work with glass.</p> <p>Measuring amount of substances using their weight and volume.</p> <p>Separation and purification of substances: filtration at atmospheric and reduced pressure, decantation, crystallization, drying, distillation, sublimation.</p> <p>Verification of purity of substances and composition of solutions: determination of boiling temperature and melting temperature of solid substances, measuring density of liquids.</p> <p>Preparation of solutions with required composition.</p>			
Assessment Methods and Criteria			
test			
<p>Grading Scale (in %): 100-91%-A, 90-81%-B, 80-71%-C, 70-61%-D, 60-51%-E, 50-0%-FX</p>			

Grading System:

The University recognises the following six degrees for the evaluation of the study results:

- a) A – excellent (excellent results) (numerical value 1)
- b) B – very good (above average results) (1.5)
- c) C – good (average results) (2)
- d) D – satisfactory (acceptable results) (2.5)
- e) E – sufficient (results meet the minimum criteria) (3)
- f) FX – failed (requires further work) (4)

Bibliography

Introduction to Inorganic Chemistry + Lab Manual, 2014, Spencer L. Seager, Michael R. Slabaugh

