General Information

Course name	**ÚCHV/PACH/03 Practical from Inorganic Chemistry**	**ECTS Credits**	**6**
		Semester	**summer**

Aims

The practical acquirements at preparation and study of inorganic compounds and their physico-chemical properties by common laboratory techniques.

Content

The utilization of common laboratory techniques and also the work in anaerobic, inert and non-aqueous conditions at preparation of elements (H_2, O_2, Cu, Ni), oxides (CO_2, $Al_2O_3 \cdot xH_2O$), nitrides (Mg_3N_2), acids (HNO_3, H_3BO_3), salts ($(NH_4)_2SO_4$, $KMnO_4$), binary salts $(NH_4)Fe(SO_4)_2 \cdot 12H_2O$), halides (CuCl, $CuCl_2 \cdot 2H_2O$, SnI_4, $CuBr_2$) and coordination compounds ($[Cr_2(CH_3COO)_4(H_2O)_2]$, $[CoCl_2(en)_2]Cl$, $[Cu(NH_3)_4]SO_4 \cdot H_2O$, $K_3[Al(C_2O_4)_3] \cdot 3H_2O$).

Assessment Methods and Criteria

test
Results from reports, tests.
Achieved practical abilities.

Grading Scale (in %):
100-91%-A, 90-81%-B, 80-71%-C, 70-61%-D, 60-51%-E, 50-0%-FX

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

O. I. Vorobyova, K. M. Dunaeva, E. A. Ippolitova, N. S. Tamm (ed. V. I. Spitsyn): Practical Inorganic Chemistry, Mir Publishers Moscow