

<b>General Information</b>			
<b>Course name</b>	ÚCHV/PANCH/06 Practical in Analytical Chemistry	<b>ECTS Credits</b>	6
		<b>Semester</b>	winter
<b>Aims</b>			
Application of theoretical knowledge of quantitative analysis into analytical laboratory practise			
<b>Content</b>			
Practical in quantitative analysis. Quantitative methods. Gravimetry, general principles of method. Volumetric methods. Preparation of accurate solutions. Indication of equivalency point. Titration curves, calculations in volumetric analysis, measurement errors. Acidimetry, alkalimetry. Manganometry. Iodometry. Complexometry. Argentometry. Selected instrumental analytical methods - electrochemical, optical, separation. Evaluation of the results in instrumental analysis.			
<b>Assessment Methods and Criteria</b>			
Based on the continuous evaluation			
<b>Grading Scale (in %):</b> 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**

D.Harvey: Modern Analytical Chemistry. McGraw Hill, Boston, 2000.

D.A.Skoog: Principles of Instrumental Analysis. Saunders Col. Publishing, New York 1985.

E.Prichard: Quality in the Analytical Chemistry Laboratory, Wiley, 1995

