

<b>General Information</b>			
<b>Course name</b>	ÚCHV/VCH/10 General Chemistry	<b>ECTS Credits</b>	<b>10</b>
		<b>Semester</b>	<b>winter</b>
<b>Aims</b>			
To provide students with knowledge about atoms, chemical bonds, physical properties of elements and compounds.			
<b>Content</b>			
<p>Main terms used in chemistry.</p> <p>Atoms – models of atoms, electron configuration, chemical periodicity and its effect on the properties of elements, radioactivity.</p> <p>Chemical bonds and intermolecular interactions.</p> <p>Chemical structure and physical properties of matter.</p> <p>States of matter.</p> <p>Solutions.</p> <p>Chemical equilibrium.</p> <p>Basis of chemical thermodynamics and chemical kinetics.</p> <p>Classification of chemical reactions.</p> <p>Electrochemistry.</p>			
<b>Assessment Methods and Criteria</b>			
<p>Three tests are written during the semester. Writing of the tests is mandatory and it is not possible to correct unsuccessfully written tests. Each of the tests is evaluated as follows: 91-100% (A) = 5 points, 81-90% (B) = 4 points, 71-80% (C) = 3 points, 61-70% (D) = 2 points, 51-60% (E) = 1 point, less than 51% (FX) = 0 point. Student must obtain together at least 2 points.</p> <p>Three tests are written during the semester. Writing of the tests is mandatory and it is not possible to correct unsuccessfully written tests. Each of the tests is evaluated as a percentage. Student must obtain at least 51% of at least one test.</p> <p>Oral examination.</p>			

**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**

Atkins P., Jones L.: Chemical Principles, 2nd ed., Freeman, New York 2002.

Russel J.B.: General Chemistry, 2nd ed., McGraw Hill, London 1992.

Available literature in the library.

