General Information			
Course name	ÚCHV/BAC1/00 Bioinorganic Chemistry	ECTS Credits	5
		Semester	winter
Aims The basic knowledges about biometal interactions with biomolecules, biomaterials,			
biominerals, biocataly	sis, metals in biology and med etals in the environment.		
1.5	SAVLA SAVLA	203	C.C.
Content			
biological elements, e Biocatalyzers. Oxygen Catalysis and regulatic Application of knowled platinum complexes ir and in other branches	lic elements and their roles in ssential trace elements). Bic carriers and oxygen transport on processes. Calcium biomine dge of bioinorganic chemistry a cancer therapy) radiodiagnos of life.	coordination cor proteins. Photoc rals and biomine in pharmacy, che stics, mineral biot	mpounds, bioligands. hemical process. ralization.Toxic metals. motherapy (e.g. echnology, ecology
Test or seminar works			Ia
examination	12031	000	
<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**

1. Shriver D. F., Atkins P. W., Overton T. L., Rourke J.P., Weller M.T., Amstrong F.A.: Shiver & Atkins. Inorganic Chemistry. Oxford University Press, Oxford 2006.

2. Kaim W., Schwederski B.: Bioinorganic Chemistry: Inorganic Elements in the Chemistry of Life. Wiley, Chichester 1998.

3. Wilkins P. C., Wilkins R. G.: Inorganic Chemistry in Biology. OCP, Oxford 1997.

