(Table 5.2) Course unit description

Study program : Chemistry				
Type and level of studies: Doctoral studies of Chemistry				
Course unit: Analysis of the quality system				
Teacher in charge : Joksovic G. Ljubinka				
Language of instruction: English				
ECTS:10				
Prerequisites: Student of master academic studies				
Semester*:* Summer Semester				
Course unit objective Upgrading the methodical basis of chemical analysis and present it on one hand as a support to all areas of science, medicine and technology, and on the other hand as an independent chemical discipline closely related to physics, measurement technology and informatics.				
Learning outcomes of Course unit Expanded knowledge of chemical analysis and its importance in the social sciences, engineering, medicine, law, and particularly for the environment and human life.				
Course unit contents *Systematic approach to chemical analysis. Errors in analysis. Statistical analysis and evaluation. Quality system. Project management. Sample and sampling. Preparation of the sample. The separation and isolation of the analyte. Calibration procedures. Determination of measurement parameters. Methods of determination.*				
Literature 1. Dr Marija Kastelan-Macan, Др Марија Каштелан-Мацан, Schoolbook -Zagreb, 2003.				
Number of active teaching hours				**Other classes**
Lectures: 5	Practice: 0	Other forms of classes: 0	Independent work: 0	
Teaching methods Lectures, colloquium, seminars, exam				
Examination methods (maximum 100 points)				
Exam prerequisites	**No. of points:**	**Final exam**		**No. of points:**
Student's activity during lectures	**10**	oral examination		*40*
practical classes/tests	**20**	written examination		
Seminars/homework	**30**	.....		
Project				
Other				

Grading system		
Grade	**No. of points**	**Description**
10	**91-100**	Excellent
9	**81-90**	Exceptionally good
8	**71-80**	Very good
7	**61-70**	Good
6	**51-60**	Passing
5	**0-51**	Failing