



УНИВЕРЗИТЕТ У БАЊОЈ ЛУЦИ

UNIVERSITY OF BANJA LUKA

ПРИРОДНО-МАТЕМАТИЧКИ ФАКУЛТЕТ

FACULTY OF NATURAL SCIENCES AND MATHEMATICS



CHEMISTRY DEPARTMENT

PhD STUDIES

Course name	Research Work 2			
Course code	Course status	Semester	Hours of instruction	ECTS
DHEM231R2	required	II	0+15	10
Teacher(s)	Mentor/Potential mentor			

Prerequisite course(s)	Entry requirements
none	/

Course goals

More detailed acquaintance of the student with the general methodology of research in the chosen chemistry field and its training for independent scientific research work in the narrower scientific field of the chosen topic.

Learning outcomes

The student elaborates on the research's concept and working hypothesis based on the chosen field's analyzed literature. The student performs and evaluates the research based on the obtained and analyzed data.

Course content

A comprehensive review of scientific literature in the chosen field is necessary for defining the problem, setting the hypothesis, and elaborating and selecting the research method. Selection of appropriate laboratory techniques, accessories, and materials.

Teaching methods

Consultative classes, mentoring, laboratory work

Books and other learning materials

Original and review papers, monographs, and scientific books from the chosen field of chemistry

Course activities and grading method

Research work 2 is graded in written form: passed/not passed, on the bases:

	Research	
	Literature review	

Additional course notes

Name of the teacher who prepared this form