



УНИВЕРЗИТЕТ У БАЊОЈ ЛУЦИ
UNIVERSITY OF BANJA LUKA
ПРИРОДНО-МАТЕМАТИЧКИ ФАКУЛТЕТ
FACULTY OF NATURAL SCIENCES AND MATHEMATICS



CHEMISTRY DEPARTMENT

FIRST CYCLE OF STUDY

Chemistry Education

Course name	Multimedia Resources for Teaching Chemistry			
Course code	Course status	Semester	Hours of instruction	ECTS
1C16HNS1122	elective	VIII	2+0	4
Teacher(s)	Prof. Milica Balaban PhD			

Prerequisite course(s)	Entry requirements
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Course goals
The aim of the course Multimedia in Chemistry Teaching is to introduce students to modern trends in the use of modern tools and information technologies in chemistry teaching. The student is introduced to useful pages related to chemistry teaching, chemistry databases and other resources.

Learning outcomes
The students find appropriate content and web pages, rank them correctly in terms of quality and relevance, and independently present chemical content using modern tools and information technologies.

Course content
Information technology and chemistry. Definition of multimedia. Visualization of chemical concepts. Five basic principles for creating a multimedia presentation. Example of a PowerPoint presentation. Internet databases and chemical content pages. How to recognize the appropriate page.

Teaching methods
Lectures, presentation

Books and other learning materials
Multimedija u nastavi Kemije - DVD Kemija 1 i Kemija 2, Izbor video-filmova na DVD-u Kemija 1 i 2, Zagreb: PROFIL Multimedija Multimedia Demonstrations by Dr. Karl Harrison, Department of Chemistry, University of Oxford http://www.chem.ox.ac.uk/it/chemfun.html Razvoj digitalne kompetencije i multimedija u nastavi [CARNet on line] Internet databases and chemical content sites.

Course activities and grading method
Presentation, Final exam

Presentation	40	Final exam	60
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Additional course notes
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Name of the teacher who prepared this form	Milica Balaban
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