

Level: bachelor				
Course title: Information in Chemistry				
Status: elective				
ECTS: 5				
Requirements: none				
Learning objectives The goal of this course is to provide a broad, yet balanced knowledge that will enable students to find the necessary information in the field of chemistry and biochemistry needed for scientific research in both electronic and paper form. One of the goals is to enable students to find information about the possibility of purchasing chemicals, laboratory equipment, etc., which will be applicable in daily practice.				
Learning outcomes Upon successful completion of this course the student is able to: <ul style="list-style-type: none"> ➤ understand the importance and notice the difference between primary, secondary and tertiary literature ➤ apply their knowledge to search reference journals (Chemical Abstract et al.) and literature in paper form ➤ apply their knowledge for literature search in electronic form using index database: KoBSON (Scopus, Web of Science, Science Direct), the corresponding service (Scirus, Google Scholar), and Virtual Library of Serbia and COBISS ➤ apply knowledge gained in the use of sites for the purchase of laboratory equipment and chemicals (www.sigma-Aldrich, www.merck.de, www.vwr.com, www.metrohm.com, www.radiometer-analytical.com, www.analysis.rs etc.). 				
Syllabus <i>Theoretical instruction</i> Data and information. The quality of information. Sources of information. Forms of information. Primary, secondary and tertiary literature. Scientific literature search and retrieval of information on the site KOBSON, ScienceDirect, Scopus, Scirus, ISI Web of Science, CAS, etc. Open Archive. Electronic library catalogues. Search the world's supply of equipment, accessories and consumables. Access to the global supply of problem solutions. <i>Practical instruction</i> Work in the library. Introduction to the primary, secondary and tertiary literature. Search referative journal (conventional mode). Web sites KOBSON, ScienceDirect, Scopus, Scirus, ISI Web of Science, and CAS SciFinder using the software package. Search virtual library of Serbia COBISS (Collaborative On-line Bibliographic System and Services). Search the world's supply of equipment, accessories and supplies online and locally. Analysis of problem solutions.				
Weekly teaching load				Other:
Lectures: 2	Exercises: 2	Other forms of teaching:	Student research:	