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| **Study program** Chemistry | | | | |
| **Course title** History of chemistry | | | | |
| **Name of lecturer/lecturers** Danijela A. Kostić | | | | |
| **Type of course** Elective | | | | |
| **Number of ECTS allocated** 4 | | | | |
| **Course objectives**  Introduction to the history of chemistry in the world and in Serbia, including the most significant achievements in the field of chemistry. | | | | |
| **Course outcomes**  Knowledge of the most important theories, discoveries and scientists in the history of chemistry.  Knowledge about the development of chemistry, chemistry teaching and the chemical industry in Serbia. | | | | |
| **SYLLABUS**  *Lectures*  Greek philosophy of nature.  Arabic alchemy. European alchemy. Iatrochemistry  Phlogiston theory. Pneumatic chemistry.  Chemical revolution. Discovery of chemical laws.  Periodic law of the elements.  History of inorganic and physical chemistry.  History of organic chemistry and organic syntheses.  History of natural product chemistry and biochemistry.  Development of instrumental methods of analysis.  Development of the chemical industry.  Nobel Prizes in Chemistry.  History of chemistry in Serbia. History of SCS.  History of chemistry teaching in Serbia.  History of chemical industry in Serbia.  *Practical work*  Preparation of a seminar: review of literature, instructions for writing, writing the paper, technical processing of the material, citation of references, presentations preparation for the defense of the seminar paper. | | | | |
| **References**  Dejan Kepić, Istorija hemije  Danijela Kostić, Nobeove nagrade u hemiji, PMF, Niš, 2010,  www.nobelprice.org  Drago Grdenić, Povijest kemije, Školska knjiga , Zagreb, 2001  V.Volkov, E.B.Voninskii, G.I.Kuznjecova, Vidajušiie himiki mira, Moskva,1991 | | | | |
| **Active teaching classes** | **Lectures** 30 | | **Laboratory work** 15 | |
| **Teaching mode** Lectures | | | | |
| **ASSESSMENT METHODS AND CRITERIA (Max 100 points)** | | | | |
| **Pre exam duties** | **Points** | **Final exam** | | **Points** |
| Activity during lectures | 10 | Written examination | |  |
| Practical teaching |  | Oral examination | | 40 |
| Teaching colloquia | 30 |  | |  |
| Seminar | 20 |  | |  |