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| **Study program** Applied chemistry with the management basics |
| **Course title** Basics of management (MPHOM) |
| **Name of lecturer/lecturers** Jelena S. Petrović |
| **Type of course** Obligatory |
| **Number of ECTS allocated** 3 |
| **Course objectives**The goal of the course is to provide students with basic theoretical knowledge about management and its practical application in the chemical industry. |
| **Course outcomes**The contribution of the course is reflected in the training of students for process management and making rational decisions using modern management methods and tools that contribute to increasing the efficiency and effectiveness of companies in the chemical industry. |
| **SYLLABUS***Lectures*Evolution of production, organization, and management. The essence and types of management. Phases of management process. Supply chain management in the chemical industry. Management quality and integrated management systems in the chemical industry. Planning and production management in the chemical industry. Project management in the chemical industry. Management of human resources. Specificities of human resources in chemical industry. Entrepreneur and manager. Teamwork and leadership*Laboratory work*It is carried out through the implementation of project tasks and analysis of case studies. |
| **References**1. Erić, D., Uvod u menadžment, Ekonomski fakultet, Beograd, 2000.2. Bamfield, P., Research and Development Management in the Chemical and Pharmaceutical Industry, Wiley‐VCH Verlag GmbH & Co. KGaA, 2003.3. Milovančević, M., Upravljanje ljudskim resursima u inženjerskom menadžmentu, Mašinski fakultet, Niš, 2016. |
| **Active teaching classes** | **Lectures** 30 | **Laboratory work** |
| **Teaching mode**Presentation method, discussion method, group, and individual student activities; analysis of business operations of companies with specific problems. |
| **ASSESSMENT METHODS AND CRITERIA (Max 100 points)** |
| **Pre exam duties** | **Points** | **Final exam**  | **Points** |
| Activity during lectures | 5 | Written examination | 30 |
| Practical teaching | 5 | Oral examination |  |
| Teaching colloquia | 40 |  |  |
| Seminar | 20 |  |  |