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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | **Faculty of Civil Engineering and Architecture** |
| **GENERAL INFORMATION** |
| Study program  | Architecture |
| Study Module (if applicable) |  |
| Course title | CONTEMPORARY INDUSTRIAL BUILDINGS |
| Level of study | Integrated studies  |
| Type of course | Elective |
| Semester  |  Spring |
| Year of study  | 4th  |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Branko Turnšek |
| Teaching mode |  Lectures Group tutorials Individual tutorials Project work Seminar Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| To familiarize the students with contemporary concepts of developing industrial buildings and complexes.To synthetize the theoretical architectural knowledge with the practical issues of designing industrial facilities. To introduce the students with the historical beginning and conceptualization of complex manufacturing buildings. To adopt the ability for analytical approach to contemporary architectural practice in designing industrial buildings and complexes, domestic and international. To adopt the ability to conceptualize and design industrial buildings under the terms provided by architectural program, norms, site conditions, technical-technological limitations…. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Historical development of industrial buildings. Architecture of industrial buildings in temporal context. Movements in architecture – the impact on industrial architecture (Modern movement, post-modern, symbolism, deconstructionism…). Globalism – the impact on industrial architecture. Industrial tourism – visitors in production halls. Contemporary ideas of exterior and interior of industrial facilities. Elements of design: tectonics, material, colour, ornament… Structural systems integrated in aesthetics of industrial architecture. Environmental protection: the industry and the environment. Energy efficiency: positioning the industry, orientation, spatial disposition, materialisation, façade system, natural ventilating, landscaping, creative design solutions…  |
| **LANGUAGE OF INSTRUCTION** |
| Serbian (complete course)  |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **10** | **Written examination** |  |
| **Practical teaching** | **50** | **Oral examination** | **30** |
| **Teaching colloquia** | **10** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |