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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 | ARCHITECTURE OF MASSIVE BUILDING SYSTEMS |
| Level of study | Doctoral studies  |
| Type of course | Elective |
| Semester  | Spring |
| Year of study  | 1st  |
| Number of ECTS allocated | 10 |
| Name of lecturer/lecturers | Dragan Kostic |
| Teaching mode | Lectures  |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Training students to work on the design, construction and maintenance of the massive buildings systems of different purposes. Independent research on finding optimal solutions for the application of the massive buildings systems. Acquiring the knowledge required for the study of optimal solutions by using advanced materials and masonry in order for their application in the calculation, modeling and structural analysis for design of optimal masonry buildings for different purposes. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| The primary features and basic subsystems: masonry building systems, building systems with concrete supporting walls (classical, prefabricated). Advanced materials and their applications in massive building systems and research about comparing with the known. Optimization of design, construction and implementation, in order to achieve modern trends of architectural theory and practice. |
| **LANGUAGE OF INSTRUCTION** |
| Serbian (complete course)  |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** |  | **Written examination** |  |
| **Practical teaching** |  | **Oral examination** | **50** |
| **Teaching colloquia** | **50** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |