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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 SKELETAL BUILDING SYSTEMS | | |
| Level of study | | | | Doctoral studies | | |
| Type of course | | | | Elective | | |
| Semester | | | | Autumn | | |
| Year of study | | | | 2nd | | |
| Number of ECTS allocated | | | | 10 | | |
| Name of lecturer/lecturers | | | | Dragan Kostic | | |
| Teaching mode | | | | Lectures | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Introduction to structural systems of multi-storey buildings. Training for the analysis of static-structural properties of multi-storey structural systems for their rational application in specific cases. Acquiring basic knowledge necessary for analysis and calculation of multi-storey construction systems from the point of ultimate limit state and serviceability limit state using modern computational models (finite element method). | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| The primary features and basic subsystems: Concrete skeletal systems (classical, prefabricated), skeletal systems of steel and aluminum, skeletal systems of timber buildings. Optimization of design, construction and implementation, especially from the standpoint of spatial stability to the architecture of the building. | | | | | | |
| **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** | | | | | | |