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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | **Faculty of Civil Engineering and Architecture** |
| **GENERAL INFORMATION** |
| Study program  | **Civil Engineering** |
| Study Module (if applicable) | Building construction |
| Course title | Status assessment and restoration of structures |
| Level of study | Master’s  |
| Type of course | Elective |
| Semester  | Autumn  |
| Year of study  | 1st |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Slobodan Ranković |
| Teaching mode | Lectures  |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Getting to know with methods of structures state analysis, and ways of rehabilitation theirs imperfections.Realization of provided goals. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
|  Introduction, basic concepts, technical regulations in the field of diagnostics and rehabilitation.Reliability and lifespam of construction, causes and types of damages.Estimate of lifespam of construction, durability of construction.Diagnostic of construction, methods of diagnostic, testing and monitoring of construction.Cracs as aspect of damages, classification of cracs, constructive and unconstructive cracs.Diagnostic of reinforced concrete construction, accidental actions (fire, earthquake, shock), examples.Rehabilitation of construction, project of rehabilitation, selection methods and type of reinforcement.FRP as method of reinforcement of construction. |
| **LANGUAGE OF INSTRUCTION** |
| Serbian (complete course)  |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **10** | **Written examination** | **40** |
| **Practical teaching** | **20** | **Oral examination** | **30** |
| **Teaching colloquia** |  | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |