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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 | FACADE STRUCTURES AND FORMS |
| Level of study | Integrated studies  |
| Type of course | Elective |
| Semester  | Spring |
| Year of study  | 4th  |
| Number of ECTS allocated | 3 |
| Name of lecturer/lecturers | Miomir Vasov, Veliborka Bogdanovic |
| Teaching mode | Lectures  |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The main purpose of the course is to show the state of the art, relation of façade-structure-form and the potential of façade systems and structures in contemporary architecture. The students will be prepared to design and model contemporary façade metal structures and glass and composite cladding. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Basic problems, concepts and solutions for facades, design principles, materialization, technical solutions with respect to energy efficiency, photovoltaic facades, glass in architecture, multi-layer facades, double facades, passive cooling and ventilation, analysis of constructed facades.Development of semester assignment: design of façade on the selected building with respect to esthetic, energy and structural performances. |
| **LANGUAGE OF INSTRUCTION** |
| Serbian (complete course)  |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **5** | **Written examination** | **40** |
| **Practical teaching** | **25** | **Oral examination** | **20** |
| **Teaching colloquia** | **10** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |