|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | | | | | | |