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| Course: | | **MATERIALS** | | | | | | | | |
| Course id: 3ОUV3О14 | |
| Number of ECTS: **5** | |
| Teacher: | | **Milica Š. Rajić, Ph.D., Professor** | | | | | | | | |
| Course status | | Mandatory | | | | | | | | |
| Number of active teaching classes (weekly) | | | | | | | | | | |
| Lectures: **2** | | Practical classes: **2** | | | Other teaching types: | | Study research work: | | Other classes: | |
| Precondition courses | | None | | | | | | | | |
| 1. Educational goal   The aim of the course is that students learn about basic characteristic of civil construction materials for its applying in water management. | | | | | | | | | | |
| 1. Educational outcomes   Students will gain knowledge and basic understanding of materials used in civil engineering construction. Also, students will be able to analyze and solve actual problem. | | | | | | | | | | |
| 1. Course content   *Theory lessons*   * Introduction * Basic characteristic of materials * General and specific characteristics, condition parameters and structural characteristics, physical, physical - mechanical, constructional, technological, rheological, chemical and exploitation properties. * Stones * Ceramics * Wood * Aggregate * Mineral * Cement * Concrete * Concrete technology * Engineering metals, Steel   *Practical classes :*  Properties and tests on materials and numerical examples in connection with lessons. | | | | | | | | | | |
| 1. Teaching methods   Consultations, research work | | | | | | | | | | |
| Knowledge evaluation (maximum 100 points) | | | | | | | | | | |
| Pre-examination obligations | | | Mandatory | Points | | Final exam | | Mandatory | | Points |
| Lecture attendance | | | No |  | | *Written part of the theory* | | Yes | | **50** |
| Test | | | No |  | |  | | | | |
| Exercise attendance | | | No |  | |
| *Term paper* | | | Yes | **50** | |
| Literature | | | | | | | | | | |
| Ord. | Author | | Title | | | Publisher | | | | Year |
| 1. | Muravljov M. | | Građevinski materijali | | | Građevinska knjiga D.O.O., Beograd | | | | 2007 |
| 2. |  | | **Textbooks in materials** | | |  | | | |  |

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| Znak univerziteta | UNIVERSITY OF NOVI SAD  FACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme Accreditation  UNDERGRADUATE ACADEMIC STUDIES WATER MANAGEMENT |
| Table 5.2 Course specification | | |