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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 SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationUNDERGRADUATE ACADEMIC STUDIES WATER MANAGEMENT  |
| Table 5.2 Course specification |