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| Course: | **INTRODUCTION TO HYDROLOGY** |
| Course id: 3OUV4O19 |
| Number of ECTS: **5** |
| Teacher: | **Milica Š. Rajić, Ph.D., Professor** **Jasmina V. Josimov Dunđerski, Ph.D., Assistant 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 aspects of hydrology as science of water in all its aspects of appearance.  |
| 1. Educational outcomes

Students will gain knowledge on water in order to can solve actual hydrological problem. Also, students will be able to understand and critically analyze hydrological problems  |
| 1. Course content

*Theory lessons** Hydrology definition
* Hydrological cycle
* River catchment
* Precipitation
* Evaporation
* Evapotranspiration
* Interception
* Infiltration
* Water balance
* Hydrometry (Hydrological measurements)
* Groundwater
* Hydrological data processing

*Practical classes :*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 |  | *Theory* | Yes | **50** |
| Test | No |  |  |
| Exercise attendance | No |  |
| *Term paper* | Yes | **50** |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
| 1. | Rajić,M., Josimov Dunđerski, J. | Opšta hidrologija | Univerzitet u Novom Sadu, Poljoprivredni fakultet, Novi Sad | 2009 |
| 2. |  | **Textbooks in hydrology** |  |  |

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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 |