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| Course: | ***Irrigation Systems*** |
| Course id: 3ОUV8О31 |
| Number of ECTS: 6 |
| Teacher: | PhD Atila F. Bezdan |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 3 | Practical classes:3 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

To familiarize students with the theoretical foundations and practice in a field of Irrigation Systems. |
| 1. Educational outcomes

After passing the exam, students will have asufficientknowledge of designingirrigation systems, which will enable them to better solve problems related to agronomic practices. |
| 1. Course content

Introduction, purpose, significance and irrigation needs; Basic concepts, technical terms, agronomic requirements during irrigation; The methods of irrigation; Machines for irrigation; Surface irrigation, modern design and modernization of surface irrigation; Sprinkler irrigation systems; Subsurface irrigation; Localized irrigation systems (drip irrigation, pulse irrigation). |
| 1. Teaching methods

Lectures, Practice/ Practical classes, Consultations, Research work |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes | 10 | *Theoretical part of the exam/Oral part of the exam/Written part of the exam-tasks and theory* | Yes | 30 |
| Test | Yes | 30 |  |
| Exercise attendance | Yes | 10 |
| *Ovde se mogupojaviti i kolokvijumi i seminarski rad (npr. Test, Term paper)* | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  |  |  |  |  |
|  | FAO irrigation papers, http://www.fao.org/ |

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|  | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 |  |
| Study Programme AccreditationUNDERGRADUATE ACADEMIC STUDIES *Water Management* |
| Table 5.2 Course specification |