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| Course: | **SEDIMENT MANAGEMENT** |
| Course id: |
| Number of ECTS: |
| Teacher: | Savic B. Radovan, full professor |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Practical classes: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

Introduction to sediment origin, transport and quality issues in lowland agricultural area; wind and water erosion control and sediment management principles.. |
| 1. Educational outcomes

The students should be able to identify and solve problems of sediment origin, transport and deposition . |
| 1. Course content

Sediment origin and properties; Mechanical composition, basic chemical properties, hazardous matters and compounds; Sediment quality issues and assessment; Criteria for sediment classification; Sediment transport and deposition; Sediment environmental and hydrotechnical impacts; Principles of soil conservation and erosion by water and wind control; Nonpoint source pollution (transport mechanisms, contamination) and role of erosion processes; Quantity and quality of drainage and irrigation canal sediments; Dredged material disposal; contaminated sediment treatment and disposal methods; Beneficial uses of dredged material; Best management practices; Principles for sediment management; Sustainable sediment management; Sediment monitoring; Legislation, regulations, conventions and recommendations;. |
| 1. Teaching methods

Lectures, Consultations |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Lecture attendance | No |  | Oral part of the exam | Yes | 50 |
| Test | No |  |  |
| Exercise attendance | No |  |
| Term paper | Yes | 50 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  |  | Internet |  |  |
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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationMASTER ACADEMIC STUDIES WATER MANAGEMENT |
| Table 5.2 Course specification |