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| Course: | ***Soil as a natural resource*** |
| Course id: 2МРР2И27 |
| Number of ECTS: 4 |
| Teacher: | Prof. dr Ljiljana Nešić; prof. dr Milivoj Belić; dr Vladimir ĆIrić, Assistant Professor |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures:2 | Tutorials :2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Land is an important factor in the framework of content and spatial concept of the village. Rural development should be focused on creation of conditions for better use of the land as a natural resource, which would encourage the intensification of agricultural production structure and better utilization, conservation and the prevention of degradation and soil pollution. For these reasons, this course should enable students to familiarize themselves with the land as a natural resource, as well as measures for its protection |
| 1. Educational outcomes

The acquisition of knowledge about soil as a natural resource for Rural Development and agritourism, preparing students for professional and scientific work in the field of land degradation protection. |
| 1. Course content

*Theoretical instruction*The soil as a natural resource; Basic functions of land, Concept of sustainable land use; Pedogenetic factors and processes; Geologic basis of Serbia, Serbian soil structure, Systems of evaluation of production ana usage value of land space ; Land degradation and damages (physical, chemical and biological processes); The impact of farming on the land; Methods for repairing damaged and destroyed land (revitalization, remediation and other measures). Legislation for the protection, preservation and use of agricultural land.Minerals and rocks as a foundation for the land creation; Field studies of soil. Laboratory tests: basic chemical properties of active and potential acidity, salinity and alkalinity of soil. |
| 1. Teaching methods

Lectures with ppt. Laboratory exercises.  |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lectures (students’ active involvement) | Yes | 10 | *Oral exam**Written exam* | Yes | 10+30 |
| Test | Yes | 20 |  |
| Exercises | Yes | 10 |
| *Term paper* | Yes | 20 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Миљковић Н. | Основи Педологије  | Универyитет у Новом Саду | 1996 |
|  | Вучић Н | Хигијена земљишта | Нови Сад | 1992 |
|  | 3.Секулић П., Кастори Р., Хаџић В | Заштита земљишта од деградације | Научни институт за ратарство и повртарство Нови Сад | 2003 |