

Specification of subjects in master studies

Subject code: M41109
Study program: Ecological engineering for soil and water resources protection
Type and level of studies: Master's degree studies
Subject name: Models of soil degradation
Teacher (s): Mirjana M. Todosijević; DSc; Jelena Beloica, PhD
Subject type: compulsory
ECTS: 6
Condition:
Subject aim: Mastering knowledge in the field of soil degradation models as a modern tool for assessing natural and anthropogenic impacts on soil degradation processes, predicting the impact of land use patterns and climate change on erosion and the transport of sediment.
Subject outcomes: Students gain the basic knowledge on modeling soil degradation processes; defining and describing the basic processes and components within the model (erosion, hydrological, chemical, etc.), and become able to apply the analyses for solving and selecting systems for sustainable use and protection of soil and water resources.