

### Specification of subjects in doctoral studies

<b>Subject code:</b> ДМ40111Е
<b>Study program:</b> Ecological engineering for soil and water resources protection
<b>Type and level of studies:</b> Doctoral studies
<b>Subject name:</b> Interaction between the soil and water from phreatic sources
<b>Teacher (s):</b> Zoran Nikić, DSc
<b>Associates:</b>
<b>Subject type:</b> elective
<b>ECTS:</b> 8
<b>Condition:</b>
<b>Subject aim:</b> Training of candidates to analyze and solve problems in the field of interaction of waters from phreatic sources and soil from the aspect of their conservation, quality management and quantity, and sustainable use of the resources of waters from phreatic sources and soil. Introduction to the legal regulations in the field of protection and use of groundwaters in Serbia and the EU.
<b>Subject outcomes:</b> Application of acquired knowledge and skills for the purpose of protection, management, sustainable use and remediation of soils and waters from phreatic sources in terrains where there are natural geopathogenic zones of toxic elements, natural radioactivity and terrains with unwanted consequences of anthropogenic activities on water and soil. Capability of the students for defining the strategy of protection of unspoilt quality of waters from phreatic sources and soil, repair of damaged quality and problem solving in the area of interaction of contaminated soils and waters from phreatic sources.