**Level:** PhD  
**Course title:** Selected Topics of Water Protection (DSH-619)  
**Status:** Elective  
**ECTS:** 15  
**Requirements:** None

### Learning objectives
Training students with a comprehensive overview of water pollution problems, water protection management and control, quality control of natural and waste waters and wastewater treatment processes management.

### Learning outcomes
After completing the course, students should expand the knowledge gained through the Water Protection course in previous studies of the chemical processes in aquatic ecosystems relevant to water protection; acquire advanced knowledge on the treatment of industrial and municipal wastewater; be able to independently apply the acquired knowledge for management of wastewater treatment systems.

### Syllabus

**Theoretical instruction**

### Weekly teaching load

<table>
<thead>
<tr>
<th>Lectures:</th>
<th>Exercises:</th>
<th>Other forms of teaching:</th>
<th>Student research:</th>
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**Other:**