

Level: Master				
Course title: WATER MANAGEMENT				
Status: elective				
ECTS: 6				
Requirements: none				
Learning objectives Train students on the basis of previous lessons learned about water quality, water monitoring, water pollution control and acquire necessary knowledge for integrated water management.				
Learning outcomes After completing the course, students know how to explain in detail the management of water in the river basin, explain the importance and methodology of emission limit values for water, apply the methodology to determine the status of surface water and groundwater, use cadastre of polluters and plants for waste water treatment in water management.				
Syllabus <i>Theoretical instruction</i> Valuation of water as a resource. Water and sustainable development. Integrated water management: water quality protection, water quality management and control of water pollution. Water quality management in light of the statutory provisions. Emission limit values for water. The catchment area as the basic unit for water management. Development plans for river basin management. The methodology for determining the status of surface waters. The methodology for determining the status of groundwater. Protected water areas. Priority pollutants. Monitoring catchment areas. Application of GIS for water management. Application of polluter cadastre and facilities for wastewater treatment in water management. Economic aspects of public participation in water management. <i>Practical instruction</i> Practical instruction follows the theoretical instruction.				
Weekly teaching load				Other:
Lectures: 2 (30)	Exercises: 2 (30)	Other forms of teaching:	Student research:	