



Course	Urban Agglomerations (M.Sc.)
Semester	2
Applicability	Urban Agglomerations and all other planning related Master Programmes
Duration	1 Semester
ECTS Credits	5 ECTS
Pre-requisite for the module	none
Pre-requisite for the exam	none
Examination performance	Written exam (min. 120, max. 210 minutes)
Learning aims	Overview of theories and practice of technical infrastructure in water supply and sewage systems, with a strong focus on management, operation and finance possibilities
Module Contents	<p>Health and environmental impact aspects of water / wastewater pollution from an engineering point of view</p> <p>Water demand and potentials to reduce demand</p> <p>Water sources, quality and treatment (e.g. drinking water)</p> <p>Water distribution, net types, controlling and maintaining of pipe network</p> <p>Components of sewage, sewerage systems, storm-water management</p> <p>Quantity of sewage and requirements of wastewater treatment, mechanical and biological treatment, sludge treatment, re-use of sewage and sludge</p>
Kind of course	Lectures and seminar
Workload (h) / total workload	150 hours/ 3600 hours
Language	English
Frequency	once a year in the summer term