

## Water sanitation (3 credits)

1-2-5038

### Course description

The Water and sanitation course provides students with an overview of the world sanitation problem, understanding of quantitative principles and tools for designing, building and operating on-site water and sanitation systems in general and in low income societies. Approaches and technologies for environmental sanitation, including decentralized water (and greywater) treatment, technologies and quality, decentralized excreta disposal, simplified sewerage and solid waste management and rainwater use. Disinfection methods and principles in risk and environmental impact assessments will be introduced.

### Course requirements

1 field trip 5%

1 presentation 15%

1 assignment 15%

Final exam or designing project (60%).

Participation (5%)

### pre-requisites:

Undergraduate degree in sciences (e.g. environment, geology, biology etc.).