

## BJ02A6000 Digital Water

The official course information can be found at LUT SISU: <https://sis-lut.funi-data.fi/student/courseunit/otm-c80f526a-9dbb-4eda-b92e-c17ac5386771/brochure>

**Teacher in Charge:** PhD Ehsan Daneshvar

**Year:** MSc (Tech.) 1-2

**Course Schedule:**

You can register for this course anytime and start doing this course as soon as the registration process is completed and you get a notification that you have been added to the course at LUT Moodle. After registration you can complete the course at your own pace during a six month period.

**Assessment scale and assessment methods:** Pass/Fail, Moodle exam, contributions to discussion forums in Moodle, and a learning diary.

**Aims:**

The aim of the course is to introduce a chemical engineering professional with the multiple opportunities of digitalization in the water treatment sector.

After completing the course, the student

- Will have identified his/her own skill gap in applying digitalization in the water treatment sector
- Will have developed domain-specific knowledge on the possibilities of digitalization to further innovate in his/her domain

**Contents:** The course will cover current and relevant topics in digitalization of the water treatment sector. The course is an entry-level introductory course supporting life-long learning.

**Teaching Methods:** Online lectures and interview clips 10 h, self-study 27 h, self-guided exercises 15 h. Total workload 52 h.

**Prerequisites:** Knowledge and understanding of the water sector and the nature of processes and operations within the water sector, typically either B.Sc. or M.Sc. degree from a relevant field.

**Language:** English

**Study materials:** All the materials are available in Moodle.