

BJ0106010 Raw & Digital

Teacher in Charge: D.Sc. Riina Salmimies

Year: MSc (Tech.) 1-2

Course Schedule:

You can register for this course starting March 30th, and you can start doing this course on April 15th. After registration you can complete the course at your own pace. Due to the change of the academic year, all course assignments must be completed on July 31st.

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 raw materials sector.

After completing the course, the student

- Will have identified his/her own skill gap in applying digitalization in the raw materials 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 raw materials 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. Total workload 52 h.

Prerequisites: Knowledge and understanding of the raw materials sector and the nature of processes and operations within the raw materials sector, typically in the form of a B.Sc. or M.Sc. degree.

Teaching Language: English

Study materials: All the materials are available in Moodle.