

- 7. Membrane Separation Processes
- 8. Introduction to Mechanical-Physical Separation Processes

Initial competences

Process engineering builds upon several basic elements from courses in chemistry, physics, and mathematics.

Final competences

Understanding the principles of unit operations.
Understanding and being able to calculate the unit operations covered in the course.
Making up and calculating mass and energy balances.
Evaluation of applications of unit operations.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Seminar, Excursion, Lecture

Study material

Type: Syllabus

Name: Syllabus

Indicative price: € 15

Optional: no

Language : English

Number of Pages : 350

Available through Student Association : Yes

References

Transport Processes and Unit Operations C.J. Geankoplis;
Analysis, synthesis and design of chemical processes. Turton et al.

Course content-related study coaching

Tutoring of the course is offered to support students in processing the content in order to obtain the expected final competences.

Assessment moments

end-of-term assessment

Examination methods in case of periodic assessment during the first examination period

Written assessment open-book

Examination methods in case of periodic assessment during the second examination period

Written assessment open-book

Examination methods in case of permanent assessment

Possibilities of retake in case of permanent assessment

examination during the second examination period is not possible

Calculation of the examination mark

The exam is composed of three or four questions consisting of exercises, applications of theory and/or questions about the company visit.
Students who eschew period aligned and/or non-period aligned evaluations for this course unit may be failed by the examiner.