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Initial competences

Elementary knowledge of inorganic chemistry

Final competences

- 1 Explain soil components and chemical reactions in soils
- 2 Explain the principle of analytical methods for soil characterization
- 3 Select suited analytical methods for characterizing soil properties
- 4 Interpret analytical results of soil analysis
- 5 Evaluate the accuracy and the reliability of analytical data

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

Lecture, practical

Extra information on the teaching methods

Practicum: lab exercises: Analysis of soil

Lecture: plenary exercises: during the theory class, example exercises are interactively solved.

Learning materials and price

Lecture notes are available during the first lecture.

Slides are electronically available.

References

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Course content-related study coaching

Illustration of theory via problems and hands-on laboratory exercises.

Assessment moments

end-of-term and continuous assessment

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

Written assessment with open-ended questions

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

Written assessment with open-ended questions

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is not possible

Extra information on the examination methods

Continuous assessment: evaluation based on reports of practical laboratory exercises

End-of-term assessment: written examination with open-ended questions (60%) and numerical problems (40%)

Calculation of the examination mark

Continuous assessment: 5/20

End-of-term assessment: 15/20

Students who eschew continuous assessment may be failed by the examiner. In this case, a score of at most 9/20 will be assigned.