

Course Specifications

From the academic year 2017-2018 up to and including the

Big Ideas in Natural Sciences (C003571)

Course size (nominal values; actual values may depend on programme)
 Credits 4.0 Study time 120 h Contact hrs 40.0 h

Course offerings and teaching methods in academic year 2018-2019

A (semester 2)	Dutch	microteaching	10.0 h
		seminar	5.0 h
		self-reliant study activities	5.0 h
		lecture	15.0 h
		practicum	5.0 h

Lecturers in academic year 2018-2019

Strubbe, Katrien WE06 lecturer-in-charge

Offered in the following programmes in 2018-2019

Bachelor of Science in Chemistry	4	A
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Teaching languages

Dutch

Keywords

Natural sciences, Big ideas, integration

Position of the course

In this course, "natural sciences" in secondary education is discussed, together with specific teaching methods.

Contents

- 1 Natural sciences in secondary education
- 2 Big ideas in sciences
- 3 Big ideas in a Flemish context
- 4 Curriculum for natural sciences for different target groups

Initial competences

Final competences

- 1 Be able to situate the course "natural sciences" in secondary education in Flanders.
- 2 To know the principles of teaching according to "Big ideas" and be able to apply these principles on a basic level.
- 3 To have insight into the reasons why the content of the course "natural sciences" differs according to the target group.

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, microteaching, practicum, seminar, self-reliant study activities

Learning materials and price

Learning material on Minerva

References

References are communicated by means of the ELO.

Course content-related study coaching

Evaluation methods

end-of-term evaluation and continuous assessment

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

Written examination with open questions

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

Written examination with open questions

Examination methods in case of permanent evaluation

Participation, assignment

Possibilities of retake in case of permanent evaluation

examination during the second examination period is possible

Calculation of the examination mark