

## Philosophy of Science I (A000226)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 5.0** **Study time 150 h**

### Course offerings and teaching methods in academic year 2023-2024

A (semester 2)	Dutch	Gent	lecture seminar
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### Lecturers in academic year 2023-2024

Lefevere, Merel	LW01	staff member
Zahidi, Karim	LW01	lecturer-in-charge

### Offered in the following programmes in 2023-2024

	crdts	offering
<a href="#">Bachelor of Arts in Moral Sciences</a>	5	A
<a href="#">Bachelor of Arts in Philosophy</a>	5	A
<a href="#">Bachelor of Science in Political Science</a>	5	A

### Teaching languages

Dutch

### Keywords

Correlation, causal relations, theories, paradigm, pseudoscience, research ethics, philosophy of mathematics.

### Position of the course

The first aim of this basic course is to impart to the students the knowledge and skills that are necessary for correctly interpreting and critically evaluating scientific products (journal articles, books). A second aim is to impart some insights with respect to the ethics of science (rules and norms that should guide scientific research). A third aim is to obtain insight into the relation between different scientific disciplines and into similarities between science now and the past.

### Contents

Different types of scientific knowledge (diagnosis, historical claims, theories, experimental knowledge, ...) are dealt with, paying attention to the aims specified above (insight in methods, capacities and limitations). Besides this, there are chapters on ethics of sciences and science and society.

### Initial competences

Geen specifieke voorkennis vereist

### Final competences

- 1 To know the capacities and limitations the most important methods and forms of argumentation in sciences.
- 2 To be able to evaluate scientific products based on the most important methods and.
- 3 To be acquainted with the most important problems and their proposed solution in the domain of ethics of science.
- 4 To insight into the relation between different scientific disciplines and into similarities between science now and the past.

### Conditions for credit contract

Access to this course unit via a credit contract is unrestricted: the student takes into consideration the conditions mentioned in 'Starting Competences'

**Conditions for exam contract**

Access to this course unit via an exam contract is unrestricted

**Teaching methods**

Seminar, Lecture

**Learning materials and price**

Weber E., Leuridan B. & Lefevere M., *Wetenschap; wat, hoe en waarom? Systematische inleiding tot de wetenschapsfilosofie*. Garant, 2016.  
Kostprijs: 34,90 €

**References****Course content-related study coaching**

An assistant is available for individual guidance..

**Assessment moments**

end-of-term 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****Possibilities of retake in case of permanent assessment**

not applicable

**Calculation of the examination mark**

100% periodical evaluation.

**Facilities for Working Students**

1. Possible exemption from educational activities requiring student attendance.
2. The examination can be rescheduled within the same exam period.
3. An alternative time for feedback is possible

For more information concerning flexible learning: contact the monitoring service of the faculty of Arts and philosophy