



Philosophy of Science with Natural Philosophy (7,5 hp)

Level: 1st cycle
Course ID: 0270

Admission requirements

General admission requirements for university studies. Students taking part in the course as a part of their Bachelor's degree program must have completed Course A, Introduction in Philosophy and Theology (30 ECTS credits).

Educational goals

After completing the course, students are expected to be able to:

- give an overview of some of the central questions in philosophy of science, as well as some of the main tenets in the thought of some of the central philosophers of science;
- show that s/he understands and can use some central concepts in philosophy of science and natural philosophy;
- show the ability to critically reflect on and analyze some central questions in philosophy of science and natural philosophy.

Course content

The sciences occupy a prominent place in contemporary thinking, as well as in today's society in general. In this course we will take a closer look at the different sciences' knowledge claims and methods. In what sense can science be said to provide knowledge? What claim do sciences make to describe reality? And what are the possibilities and limitations of the scientific method? Only through such an analysis can scientific knowledge claims be compared to knowledge claims in other areas.

Teaching and examination

Instruction will be in the form of lectures and discussion seminars (in person and/or online). Examination, at the end of the course, will be in the form of oral examination and a written essay, the latter of which will be the basis for the course grade (100 %).

Bibliography

- Chalmers, Alan, *What Is This Thing Called Science?*, 4th ed., Maidenhead, UK: Open University Press, 2013.
- A selection of articles and excerpts from books, being provided through the online teaching platform during the course.

Reference Resources

- Humphreys, Paul (ed.), *The Oxford Handbook of Philosophy of Science*, Oxford, UK: Oxford University Press, 2016.
- Johansson, Lars-Göran, *Philosophy of Science for Scientists*, Berlin: Springer, 2015.
- Wallace, William, *The Modeling of Nature*, Washington, DC: The Catholic University of America Press, 1996.

See also "Kursplaner: allmänna bestämmelser" (Course plans: General rules)

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Valid as 2017-01-01