

Syllabus

Philosophy of Science, 5 ECTS

Vetenskapsteori, 5hp

FO20001

Programme	Third-cycle courses and study programmes
Programme ECTS	240/120
Level of education	Third cycle
LADOK (student registry) code, subject field, ECTS	FO20001
ECTS from course	5
Grading	Pass, Fail
Course coordinator institution	---
Governing body	Education and Research Board
Date valid	18 May 2015
Revised syllabus	
Revised reading list	
The syllabus applies from	Autumn semester 2015
The reading list applies from	Autumn semester 2015
Current general curriculum	19.09.2013



Admission requirements and other conditions for admission to studies

General entry requirements for third-cycle courses and study programmes (The Higher Education Ordinance, SFS 1993: 100) and specific entry requirements according to general curriculum stipulated on 19 September 2013.

The position of the course in the educational system

The course is at a postgraduate level and is compulsory for third-cycle courses and study programmes.

Learning objectives for the course

Knowledge and understanding

After completion of the course, the doctoral students shall have the ability to:

- summarise central movements within modern philosophy of science such as logical positivism, critical rationalism, hermeneutics, phenomenology, structuralism and social constructivism
- explain central concepts within the philosophy of science, including theory, hypothesis, induction and deduction
- identify different forms of scientific explanations, interpretations and understanding.

Skills and abilities

After completion of the course, the doctoral students shall have the ability to:

- apply common concepts related to the philosophy of science
- compare different forms of scientific explanations, interpretations and understanding.
- identify alternative starting points for philosophy of science in the subsequent dissertation work.

Judgement and approach

After completion of the course, the doctoral students shall have the ability to:

- form an opinion on scientific fundamental evaluations, including intellectual openness, objectivity and impartiality.

Course structure

The course is held as either a part-time study or full-time study.

Course contents

The subjects covered by the course are as follows:

- central movements and concepts within modern philosophy of science
- application of concepts within philosophy of science in scholarly works
- different meanings of general scientific fundamental evaluations.

Teaching methods

The course comprises lectures and seminars. Teaching is in Swedish and/or English.

Examination and grading

The examination is based on the learning objectives. Grading is in accordance with the Higher Education Ordinance, (SFS 1993: 100). The grading comprises Pass (P) and Fail (F). The grades are stipulated by a designated teacher (examiner).

Course certificate

Doctoral students who have passed the course receive a course certificate on request (SFS 1993: 100).

Literature for the course
See separate reading list.

Reading list

Grimen H., & Gilje N. (2007) *Samhällsvetenskapernas förutsättningar* (3rd ed.). Gothenburg: Daidalos. (p. 336)

Okasha, S. (2002) *Philosophy of science: A very short introduction*. Oxford : Oxford University Press. (p. 160)

Other scientific articles.