



**Karolinska
Institutet**

Course syllabus for

Theory of Science, 3 credits

Vetenskapsteori, 3 hp

This course syllabus is valid from autumn 2016.

Please note that the course syllabus is available in the following versions:

[Autumn2015](#) , [Autumn2016](#) , [Autumn2021](#)

Course code	2PS034
Course name	Theory of Science
Credits	3 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Psychology
Level	G2 - First cycle 2
Grading scale	Fail (U), pass (G) or pass with distinction (VG)
Department	Department of Clinical Neuroscience
Decided by	Programme Committee 8
Decision date	2014-11-07
Revised by	Education committee CNS
Last revision	2016-04-28
Course syllabus valid from	Autumn 2016

Specific entry requirements

To be eligible to advance to this course, students must have no more than 15 credits remaining from the previous term, and no credits remaining from any terms preceding this.

Objectives

On completion of the course, the student should be able to

- account for the meaning of basic terms and concepts that occur within the philosophy of science
- relate concepts and theories within the philosophy of science to the psychological research field

Content

The course gives an introduction to the philosophy of science. Example of subjects that are included in the course is: the knowledge concept, induction and deduction, falsificationism and paradigms.

Teaching methods

The course contains teacher-supervised lectures, at least one discussion seminar and writing of individual written assignment. The course assumes independent studies of course literature.

Examination

The course is examined with

- 1) Written examination
- 2) Individual written assignment (for the grade Passed with distinction)

Examination and the written assignment is given one of the grades Failed, Passed and Passed with distinction. A passing grade on the entire course requires at least the grade Passed on the written examination. For a grade Pass with distinction on the entire course, the grade Pass with distinction is required both on the written examination and on the written assignment.

Limitation in the number of examinations:

Students who do not pass a regular examination are entitled to re-sit the examination on five more occasions. If the student has failed six examinations/tests, no additional examination is given. Each occasion the student participates in the same test counts as an examination. Submission of blank exam is counted as an examination. In case a student is registered for an examination but does not attend, this is not regarded as an examination.

Transitional provisions

The transitional rules follow KI's local guidelines.

Other directives

Course evaluation, based on the expected learning outcomes of the syllabus, takes place according to KI's local guidelines. Results and possible actions are communicated to the students in the course web page.

The course will not be credited in a degree together with another course the student has completed and passed which completely or partly corresponds to the contents of this course. The following course is (partly) overlapping: 2PS010, Theory of Science, 4.5 credits.

Literature and other teaching aids

Johansson, Lars-Göran

Introduktion till vetenskapsteorin

2., [utök.] uppl. : Stockholm : Thales, 2003 - 263 s.

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Article, up to 100 pages.