

**SYLLABUS**

# **Theory of Science 7.5 credits P0044A**

**Vetenskapsteori**

**Course syllabus admitted: Spring 2020 Sp 3 - Spring 2020 Sp 4**

**DECISION DATE  
2019-11-05**

# Theory of Science 7.5 credits P0044A

## Vetenskapsteori

### First cycle, P0044A

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG *	Psykologi	Psychology

## Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language +

Swedish upper secondary school courses Mathematics 1a/1b/1c, Social Studies 1b/1a1+1a2 (specifik entry A5).

Or:

Swedish upper secondary school courses Mathematics A, Social Studies A (specifik entry 5)

## Selection

The selection is based on final school grades or Swedish Scholastic Aptitude Test.

## Examiner

Lisa Öman Ekervhén

## Course Aim

The student should after the course:

- be able to describe the basic assumptions in philosophy of science on which current psychological theory and research is based.
- be able to describe the logical structure of a scientific study.
- be able to perform a systematic literature search
- be able to communicate the gist of a scientific report

## Contents

- Concepts and distinctions within philosophy of science
- The research process
- The relevance of philosophy of science for psychology
- Scientific methods in relation to psychology

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Teaching consists of lectures and seminars where the basic concepts are applied to specific issues. The course concludes with a project work where literature search is practiced and the theoretical concepts are applied in the audit of a scientific work.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Individually written exam, 6.0hp, where the student's ability to describe the main trends in trends in the philosophy of science is tested. Grades: Failed Passed Passed with distinction  
Project report, 1.5hp where the students perform a literature search and then summarize and compare two scientific articles.

## Remarks

Students must register for the courses themselves, or contact ETS educational administration eduets@ltu.se, not later than three days after the quarter commences. Failure to do so can result in the place being lost. This rule also applies to students with a guaranteed place.

## Transition terms

The course replaces P0017A and S0004A.

## Literature. Valid from Spring 2018 Sp 3

Chalmers, D. Vad är vetenskap egentligen? Nora: Nya Doxa 2003. Urval.  
Føllesdal, D., Walløe L., och Elster, J. Argumentationsteori, språk och vetenskapsfilosofi (3e upplagan). Stockholm: Thales 2001. Urval.  
Articles selected by the teacher

## Course offered by

Department of Business Administration, Technology and Social Sciences

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Written exam	U G VG *	6	Mandatory	S09	
0002	Project	U G#	1.5	Mandatory	S09	

## Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

## Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2019-11-05

# Syllabus established

by Institutionen för arbetsvetenskap 2007-12-13