

**SYLLABUS**

# **Physics and chemistry, VFU**

## **7.5 credits F0024T**

**Fysik och kemi, VFU**

**Course syllabus admitted: Autumn 2007 Sp 1 - Spring 2009 Sp 4**

**DECISION**

**The syllabus was established by the Department of Applied Physics and Mechanical Engineering 2007-02-28, and remains valid from autumn 2007.**

# Physics and chemistry, VFU 7.5 credits F0024T

## Fysik och kemi, VFU

### First cycle, F0024T

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#		Physics

## 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 and Basic knowledge of physics and chemistry corresponding to MTF404 and KGK034.

## Selection

The selection is based on 1-165 credits.

## Examiner

Lars Benckert

## Course Aim

To give the students

- practical knowledge and experience of teaching in physics and chemistry.
- knowledge of how to connect the theory education to the classroom.

## Contents

The student shall take responsibly for plans and to realise an education part in physics and/or chemistry. The students shall observe there pupils, discuss physical education with other teachers and make a report about physics and/or chemistry education in school.

## Realization

That together with his/her supervisor and the staff the school discuss didactic and other questions to get an knowledge of different tasks concerning the work in a school how to teach pupils..

## Examination

For the examination the basis will be

- the presence (which is an obligatory for the students)
- carry through the tasks in the course.

Together with the supervisor at the university, judge if the student

- is fit for the job as a teacher
- get a passed judgement from the teacher at the school where the student made his/her practice
- the quality of the written report

## Overlap

The course F0024T is equal to MTF405

## Literature. Valid from Autumn 2007 Sp 1

- Kursplaner i fysik och kemi, Skolverket ([www.skolverket.se](http://www.skolverket.se))
- Börje Ekstig (2002), Naturen, naturvetenskapen och lärandet. Studentlitteratur ISBN 9789144041261
- Svein Sjøberg (2000), Naturvetenskap som allmänbildning en kritisk ämnesdidaktik. Studentlitteratur, ISBN 9789144009995
- Helge Strömdahl, (2002) Kommunicera i naturvetenskap i skolan några forskningsresultat. Studentlitteratur ISBN 9789144040776
- Brusling, C. & Strömqvist, G.(1996) Reflektion och praktik i läraryrket. Studentlitteratur. ISBN 91-44-00089-8

## Course offered by

Department of Applied Physics and Mechanical Engineering

## Items/credits

Number	Type	Credits	Grade
0001	Work placement	7.5	U G#

## Syllabus established

The syllabus was established by the Department of Applied Physics and Mechanical Engineering 2007-02-28, and remains valid from autumn 2007.