

**SYLLABUS**

# **Physics 7.5 credits F0011T**

**Fysik VFU1**

**Course syllabus admitted: Autumn 2011 Sp 2 - Spring 2012 Sp 4**

**DECISION DATE  
2011-10-07**

# Physics 7.5 credits F0011T

## Fysik VFU1

### First cycle, F0011T

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Fysik	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 Physics 1, 2 and 3.

## Selection

The selection is based on 1-165 credits.

## Examiner

Mats Näsström

## Course Aim

To give the students

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

## Contents

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

## Realization

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

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

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. 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 F0011T is equal to MTF122

## Literature. Valid from Autumn 2009 Sp 1

- Kursplaner i fysik, 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 9 789144009995
- Helge Strömdahl, (2002) Kommuniera i naturvetenskap i skolan några forskningsresultat. Studentlitteratur ISBN 9 789144040776
- Brusling, C. & Strömqvist, G.(1996) Reflektion och praktik i läraryrket. Studentlitteratur. ISBN 91-44-00089-8

## Course offered by

Department of Engineering Sciences and Mathematics

## Items/credits

Number	Type	Credits	Grade
0001	Work placement	7.5	U G#

## Last revised

by Department of Engineering Sciences and Mathematics 2011-10-07

## Syllabus established

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