



# FSH3120 Contemporary Topics in Astrophysics 3.0 credits

## Aktuella ämnen inom astrofysik

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

## Establishment

Course syllabus for FSH3120 valid from Autumn 2013

## Grading scale

## Education cycle

Third cycle

## Specific prerequisites

Enrolled as PhD student.

## Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

## Intended learning outcomes

After completing the course the student should be able to:

1. identify the most important topical research areas in Astro- and Astroparticle Physics
2. critically evaluate scientific articles wrt methodology and results as well as set the research performed in the article into a larger context.
3. present new research papers clearly and in a concise way to peer students, as well as participate in discussion of the articles.
4. describe the development of the wider research field by following the literature as it is published

## Course contents

Topical areas in astroparticle physics

Active follow up of the literature as it is published.

Topical articles are presented for peer students and senior scientists.

## Disposition

Language of instruction: English

## Course literature

Utdelat material / Hand outs

## Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

## Other requirements for final grade

Three presentations of topical papers. Active participation in the discussions during the presentations by the other students, including feedback.

## Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.

