

ASTA03, Astronomy: Basic Astronomy - Introductory course in astronomy, 7.5 credits

*Astronomi: Astronomins grunder - orienteringskurs i astronomi, 7,5
högskolepoäng*
First Cycle / Grundnivå

Details of approval

The syllabus is an old version, approved by Study programmes board, Faculty of Science on 2008-06-11 and was last revised on 2008-06-11. . The revised syllabus applied from 2008-06-11. , autumn semester 2008.

General Information

Language of instruction: Swedish

Main field of studies

Physics

*Depth of study relative to the degree
requirements*

G1N, First cycle, has only upper-secondary
level entry requirements

Learning outcomes

The objective is that the students, on completion of the course, shall have obtained a brief overview of modern astronomy and acquired the following knowledge and skills.

The students shall be able to provide a general description of

- the night sky and its daily and annual changes
- the solar system and its components
- the general properties of the Milky Way and other galaxies

and demonstrate awareness of

- the properties and evolution of stars
- the origin and evolution of the universe
- astronomical telescopes and methods of observation

and have received some training in

- observing the night sky and astronomical objects with and without a telescope

Course content

The course is an introductory course in modern astronomy. The components included are: the night sky and its movements; concept of time; astronomical telescopes and methods of observation; the distance of stars and their movements in space; the sun and the solar system; the life cycle of stars; the Milky Way and other galaxies; the general properties of the universe.

Course design

The teaching consists of lectures, demonstrations and observation exercises. Participation in exercises and demonstrations is compulsory.

Assessment

The assessment is based on a written exam at the end of the course. Students who fail an assessment will be offered another opportunity for assessment soon thereafter.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, Pass, Pass with distinction.

For a grade of Pass on the whole course, the student must have passed the exam and participated in all the compulsory components.

Entry requirements

General requirements for university studies in Sweden

Further information

The course may not be included in a degree together with AST201 Astronomy and Astrophysics, 15 credits, AST202 Introductory Course, 7.5 credits, ASTA01 Introductory Course, 7.5 credits, ASTA11 Astronomy and Astrophysics, 15 credits, or ASTB01 Introduction to Astrophysics, 7.5 credits.

Subcourses in ASTA03, Astronomy: Basic Astronomy - Introductory course in astronomy

Applies from H21

- 2101 Written exam, 4,0 hp
Grading scale: Fail, Pass, Pass with distinction
- 2102 Hand-in exercises, 1,0 hp
Grading scale: Fail, Pass
- 2103 Demonstrations and Observation exercises, 1,5 hp
Grading scale: Fail, Pass
- 2104 Written report, 1,0 hp
Grading scale: Fail, Pass, Pass with distinction

Applies from H13

- 1301 Basic Astronomy, 4,5 hp
Grading scale: Fail, Pass, Pass with distinction
- 1302 Exercise, 1,0 hp
Grading scale: Fail, Pass
- 1303 Demonstration and Observation Package, 2,0 hp
Grading scale: Fail, Pass