

# COURSE DETAIL

## OBSERVATIONAL ASTROPHYSICS I

**Country**

Sweden

**Host Institution**

Uppsala University

**Program(s)**

Uppsala University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

125

**UCEAP Course Suffix****UCEAP Official Title**

OBSERVATIONAL ASTROPHYSICS I

**UCEAP Transcript Title**

OBSERVATL ASTROPHYS

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70



## Course Description

The course gives an introduction to the modern ground- and space-based telescopes; astronomical coordinate systems; observational methods including direct imaging, photometry, spectroscopy, and interferometry; different telescope/instrumentation/detector configurations; and observational experiments, calibrations and data reductions, both on a theoretical level and experimentally with the Westerlund Telescope at the Ångström Laboratory in Uppsala, Sweden.

### Language(s) of Instruction

English

### Host Institution Course Number

1FA203

### Host Institution Course Title

OBSERVATIONAL ASTROPHYSICS I

### Host Institution Campus

Uppsala University

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Department of Physics and Astronomy

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