

# COURSE DETAIL

## OBSERVATIONAL ASTRONOMY

**Country**

Norway

**Host Institution**

University of Oslo

**Program(s)**

University of Oslo

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Physics Earth & Space Sciences

**UCEAP Course Number**

122

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

OBSERVATIONAL ASTRONOMY

**UCEAP Transcript Title**

OBSERVATN ASTRONOMY

**UCEAP Quarter Units**

8.00

**UCEAP Semester Units**

5.30

## Course Description

This is an introductory course to modern observational methods used in astronomy. Students become familiar with ground and space based telescopes and detectors, imaging techniques and image processing, and spectroscopy. Through practical exercises, students gain insight into how astronomical observations are carried out and the errors caused by the different techniques. They understand the limitations inherent in measurements and the capability of performing observational theses in astronomy as well as the techniques used in spectroscopy, interferometry, photometry, and polarimetry.

## Language(s) of Instruction

English

## Host Institution Course Number

AST2210

## Host Institution Course Title

OBSERVATIONAL ASTRONOMY

## Host Institution Course Details

## Host Institution Campus

Mathematics and Natural Sciences

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Theoretical Astrophysics

## Course Last Reviewed

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