

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 Campus

Mathematics and Natural Sciences

Host Institution Faculty

Host Institution Degree

Host Institution Department

Theoretical Astrophysics

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