

COURSE DETAIL

APPLIED DATA ANALYSIS AND MACHINE LEARNING

Country

Norway

Host Institution

University of Oslo

Program(s)

University of Oslo

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

143

UCEAP Course Suffix**UCEAP Official Title**

APPLIED DATA ANALYSIS AND MACHINE LEARNING

UCEAP Transcript Title

APPL DATA ANALYSIS

UCEAP Quarter Units

8.00

UCEAP Semester Units

5.30

Course Description

This course introduces a variety of central algorithms and methods essential for studies of statistical data analysis and machine learning. It is project-based and through the various projects it exposes fundamental research problems in these fields to reproduce state-of-the-art scientific results. The course provides an opportunity to develop and structure large codes for studying these systems, get acquainted with computing facilities, and learn how to handle large scientific projects. Throughout the course, good scientific and ethical conduct is emphasized.

Language(s) of Instruction

English

Host Institution Course Number

FYS-STK3155

Host Institution Course Title

APPLIED DATA ANALYSIS AND MACHINE LEARNING

Host Institution Course Details

<https://www.uio.no/studier/emner/matnat/fys/FYS-STK3155/index-eng.html>

Host Institution Campus

Host Institution Faculty

Mathematics and Natural Sciences

Host Institution Degree

Host Institution Department

Physics

Course Last Reviewed

2023-2024

[Print](#)