# COURSE DETAIL

| APPLIED DATA ANALYSIS AND MACHINE LEARNING |
| --- |
| **Country**<br>Norway |
| **Host Institution**<br>University of Oslo |
| **Program(s)**<br>University of Oslo |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Physics |
| **UCEAP Course Number**<br>143 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>APPLIED DATA ANALYSIS AND MACHINE LEARNING |
| **UCEAP Transcript Title**<br>APPL DATA ANALYSIS |
| **UCEAP Quarter Units**<br>8.00 |
| **UCEAP Semester Units**<br>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