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 Campus

Host Institution Faculty
Mathematics and Natural Sciences

Host Institution Degree

Host Institution Department
Physics

[Print](#)