

# COURSE DETAIL

## APPLICATIONS OF MACHINE LEARNING

**Country**

Netherlands

**Host Institution**

Utrecht University

**Program(s)**

Utrecht University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

109

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

APPLICATIONS OF MACHINE LEARNING

**UCEAP Transcript Title**

APP MACHINE LEARNIN

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course focuses on the applications of machine learning algorithms to real-world questions. The overall aim is to provide theories, techniques, tools, and practical experience for applying machine learning to tackle data science problems. The course lectures cover five parts: essential concepts and techniques of machine learning, classification, regression, and clustering; application - outlier detection; application - predictive process mining; application - natural language processing; and application - reinforcement learning. For each of the four application areas, students work in a team to conduct an assignment that applies machine learning algorithms to a real-world dataset.

## Language(s) of Instruction

English

## Host Institution Course Number

INFOB3APML

## Host Institution Course Title

APPLICATIONS OF MACHINE LEARNING

## Host Institution Course Details

[https://osiris.uu.nl/osiris\\_student\\_uuprd/OnderwijsCatalogusZoekCursus.do](https://osiris.uu.nl/osiris_student_uuprd/OnderwijsCatalogusZoekCursus.do)

## Host Institution Campus

Utrecht University

## Host Institution Faculty

Science

## Host Institution Degree

## Host Institution Department

Informatics

## Course Last Reviewed

2022-2023

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