

# COURSE DETAIL

## ELEMENTS OF MACHINE LEARNING

**Country**

Denmark

**Host Institution**

University of Copenhagen

**Program(s)**

University of Copenhagen

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

102

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

ELEMENTS OF MACHINE LEARNING

**UCEAP Transcript Title**

ELEMNT MACHNE LEARN

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Machine learning lies at the heart of Artificial Intelligence. This course considers machine learning at an advanced step of the data processing pipeline, where it is used to turn data into knowledge. Students are introduced to the basics of machine learning including foundations, deep learning, writing code for machine learning in practice, modern machine learning tools, libraries, and infrastructures. The course covers the following tentative topic list: foundations of learning and generalization; non-linear classification; non-linear regression; neural networks and deep learning.

## Language(s) of Instruction

English

## Host Institution Course Number

NDAB18003U

## Host Institution Course Title

ELEMENTS OF MACHINE LEARNING

## Host Institution Campus

Science

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Computer Science

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