

# COURSE DETAIL

## MACHINE LEARNING AND DEEP LEARNING

**Country**

France

**Host Institution**

University of Bordeaux

**Program(s)**

University of Bordeaux

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

110

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

MACHINE LEARNING AND DEEP LEARNING

**UCEAP Transcript Title**

MACHINE&DEEP LEARN

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## **Course Description**

This course explores topics of machine learning and deep learning, examining both the foundations and applications of the topics. Starting with the basics of how to pre-process data, the course then ventures into linear models. Further topics include cross validation, support vector machines, kernels, regularization, boosting, bootstrap aggregating, and stacking.

## **Language(s) of Instruction**

English

## **Host Institution Course Number**

4TIN811U

## **Host Institution Course Title**

MACHINE LEARNING AND DEEP LEARNING

## **Host Institution Course Details**

### **Host Institution Campus**

UNIVERSITY OF BORDEAUX

### **Host Institution Faculty**

SCIENCES AND TECHNOLOGIES

### **Host Institution Degree**

### **Host Institution Department**

COMPUTER SCIENCE

## **Course Last Reviewed**

2024-2025

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