

# COURSE DETAIL

## MACHINE LEARNING I

**Country**

Spain

**Host Institution**

Carlos III University of Madrid

**Program(s)**

Carlos III University of Madrid

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

113

**UCEAP Course Suffix**

A

**UCEAP Official Title**

MACHINE LEARNING I

**UCEAP Transcript Title**

MACHINE LEARNING I

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

### **Course Description**

This course offers a study of basic Machine Learning techniques, when to use Machine Learning on real problems, how to determine which technique is appropriate for each problem, and to apply the techniques in a practical way to real problems. Topics include: learning decision trees and rules; methodological aspects; learning regression trees and rules; ensembles of learning methods; frequent itemsets and association rules; reinforcement learning; relational learning.

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

English

### **Host Institution Course Number**

16492

### **Host Institution Course Title**

APRENDIZAJE AUTOMÁTICO I

### **Host Institution Course Details**

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=350&anio=2023&plan=392&asig=16...>

### **Host Institution Campus**

Leganés

### **Host Institution Faculty**

Escuela Politécnica Superior

### **Host Institution Degree**

Grado en Ciencia e Ingeniería de Datos

### **Host Institution Department**

Departamento de Informática

### **Course Last Reviewed**

2023-2024

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