

# COURSE DETAIL

## MATHEMATICS EDUCATION I

**Country**

Spain

**Host Institution**

Complutense University of Madrid

**Program(s)**

Complutense University of Madrid

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Education

**UCEAP Course Number**

129

**UCEAP Course Suffix**

A

**UCEAP Official Title**

MATHEMATICS EDUCATION I

**UCEAP Transcript Title**

MATH EDUCATION

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

### **Course Description**

This course provides a theoretical and practical foundation in mathematical concepts related to natural numbers and their operations, with attention to how these topics are taught in primary education. It examines theories from mathematics education to analyze how children learn concepts such as numeration systems, addition, subtraction, multiplication, and division, and how these ideas appear in the primary school curriculum. The course also develops skills for future teachers to design and evaluate effective instruction sequences, classroom situations, and teaching materials that support meaningful learning in mathematics.

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

English

### **Host Institution Course Number**

800432

### **Host Institution Course Title**

MATEMÁTICAS Y SU DIDÁCTICA I

### **Host Institution Course Details**

<https://www.ucm.es/estudios/grado-educacionprimaria-plan-800432>

### **Host Institution Campus**

MONCLOA

### **Host Institution Faculty**

Facultad de Educación - Centro de Formación del Profesorado

### **Host Institution Degree**

GRADO EN MAESTRO EN EDUCACIÓN PRIMARIA

### **Host Institution Department**

Departamento de Didáctica de las Ciencias Experimentales, Sociales y Matemáticas

**Course Last Reviewed**

2025-2026

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