# COURSE DETAIL

## OPERATING SYSTEMS

**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**
129

**UCEAP Course Suffix**

**UCEAP Official Title**
OPERATING SYSTEMS

**UCEAP Transcript Title**
OPERATING SYSTEMS

**UCEAP Quarter Units**
5.00

**UCEAP Semester Units**
3.30

**Course Description**

This course focuses on how operating systems function as expanded machines, their components, major entities (processes, memory, files, etc.), and relation to the software and hardware of the computer. It explores how to use a program's operating system, the difference between processes and threads, including the main scheduling policies used, how to develop applications with multiple processes or threads using communication and synchronization mechanisms between them, as well as concurrent programming mechanisms.

**Language(s) of Instruction**

**Host Institution Course Number**
13878

**Host Institution Course Title**
OPERATING SYSTEMS

**Host Institution Campus**
Leganés

**Host Institution Faculty**
Escuela Politécnica Superior

**Host Institution Degree**
Grado en Ingeniería Informática

**Host Institution Department**
Departamento de Informática

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