COURSE DETAIL

SYSTEMS ARCHITECTURE

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
132

UCEAP Course Suffix

UCEAP Official Title
SYSTEMS ARCHITECTURE

UCEAP Transcript Title
SYSTEMS ARCHTECTURE

UCEAP Quarter Units
5.00

UCEAP Semester Units
3.30

Course Description

This course offers a study of software system design using the C programming language. Topics include: basic data types and flow constructions; structure of a C application; pointer manipulation; dynamic data structures; memory leaks; concurrent tools; tools for detecting memory leaks; Linux kernel, processes, and filesystems; main libraries; concurrency. Pre-requisites: Programming; Systems Programming.

Language(s) of Instruction
English

Host Institution Course Number
14072

Host Institution Course Title
ARQUITECTURA DE SISTEMAS

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=214&anio=2024&plan=441&asig=14...

Host Institution Campus
LEGANÉS

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Grado en Ingeniería de Sonido e Imagen

Host Institution Department
Departamento de Ingeniería Telemática

Course Last Reviewed
2024-2025

Print