

COURSE DETAIL

HEURISTICS AND OPTIMIZATION

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)

Mathematics Computer Science

UCEAP Course Number

157

UCEAP Course Suffix**UCEAP Official Title**

HEURISTICS AND OPTIMIZATION

UCEAP Transcript Title

HEURISTICS&OPTIMZTN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course explores the concepts of heuristics and optimization as two means of problem-solving and analysis. Topics include: dynamic programming; linear programming; constrained Boolean satisfiability; constraints programming; search. Pre-requisites: Programming; Algorithms and Data Structures; Discrete Mathematics; Artificial Intelligence.

Language(s) of Instruction

English

Host Institution Course Number

18275

Host Institution Course Title

HEURÍSTICA Y OPTIMIZACIÓN

Host Institution Course Details

<https://aplicaciones.uc3m.es/cpa/generaFicha?est=362&anio=2024&plan=433&asig=18...>

Host Institution Campus

LEGANÉS

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Matemática Aplicada y Computación

Host Institution Department

Departamento de Informática

Course Last Reviewed

2024-2025

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