

COURSE DETAIL

DATA STRUCTURES

Country

Mexico

Host Institution

National Autonomous University of Mexico

Program(s)

National Autonomous University of Mexico

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Computer Science

UCEAP Course Number

102

UCEAP Course Suffix**UCEAP Official Title**

DATA STRUCTURES

UCEAP Transcript Title

DATA STRUCTURES

UCEAP Quarter Units

7.50

UCEAP Semester Units

5.00

Course Description

This course examines the role of data abstraction to solve problems. It discusses data structures, their characteristics, and implementation in object-oriented programming language. Topics include: arrays; recursions; lists; batteries; tails; trees; binary trees; binary search trees; balanced search trees; functions and hash tables; heaps; sorting algorithms; algorithms in graphs.

Language(s) of Instruction

Spanish

Host Institution Course Number

1222

Host Institution Course Title

DATA STRUCTURES

Host Institution Campus

CIUDAD UNIVERSITARIA

Host Institution Faculty

FACULTAD DE CIENCIAS

Host Institution Degree

Host Institution Department

CIENCIAS DE LA COMPUTACION

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