

COURSE DETAIL

STRUCTURAL OPTIMIZATION

Country

Chile

Host Institution

Pontifical Catholic University of Chile

Program(s)

Pontifical Catholic University of Chile

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Civil Engineering

UCEAP Course Number

132

UCEAP Course Suffix**UCEAP Official Title**

STRUCTURAL OPTIMIZATION

UCEAP Transcript Title

STRUCTRL OPTIMIZATN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

The course offers an introduction to optimal structural design. It discusses conceptual tools and computing resources and also stresses the design of elastic structures. Topics include: classical structural optimization; mathematical preliminaries; geometric optimization; homogenization method; evolutionary optimization.

Language(s) of Instruction

Spanish

Host Institution Course Number

ICE3243

Host Institution Course Title

OPTIMIZACIÓN ESTRUCTURAL

Host Institution Course Details

Host Institution Campus

SAN JOAQUÍN

Host Institution Faculty

FACULTAD DE INGENIERÍA

Host Institution Degree

Host Institution Department

Course Last Reviewed

2022-2023

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