

# 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

STRUCTURAL OPTIMIZATION

## Host Institution Campus

SAN JOAQUÍN

## Host Institution Faculty

FACULTAD DE INGENIERÍA

## Host Institution Degree

## Host Institution Department

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