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 Campus
SAN JOAQUÍN

Host Institution Faculty
FACULTAD DE INGENIERÍA

Host Institution Degree

Host Institution Department

Print