

COURSE DETAIL

PROCESS OPTIMIZATION

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemical Engineering

UCEAP Course Number

139

UCEAP Course Suffix**UCEAP Official Title**

PROCESS OPTIMIZATION

UCEAP Transcript Title

PROCESS OPTIMIZATN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course introduces students to advanced numerical methods for the solution and optimization of both linear and nonlinear systems, so that they are able to apply them in real chemical engineering problems. Students learn about optimization theory and how to formulate optimization models for linear and nonlinear problems, select an appropriate solution method, and compute a numerical solution. The numerical software tool for this course is GAMS.

Language(s) of Instruction

English

Host Institution Course Number

CENG60008

Host Institution Course Title

PROCESS OPTIMIZATION

Host Institution Campus

Imperial College

Host Institution Faculty

Host Institution Degree

Host Institution Department

Chemical Engineering

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