# COURSE DETAIL

| PROCESS OPTIMIZATION |
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| **Country**<br>United Kingdom - England |
| **Host Institution**<br>Imperial College London |
| **Program(s)**<br>Imperial College London |
| **UCEAP Course Level**<br>Upper Division |
| **UCEAP Subject Area(s)**<br>Chemical Engineering |
| **UCEAP Course Number**<br>139 |
| **UCEAP Course Suffix** |
| **UCEAP Official Title**<br>PROCESS OPTIMIZATION |
| **UCEAP Transcript Title**<br>PROCESS OPTIMIZATN |
| **UCEAP Quarter Units**<br>5.00 |
| **UCEAP Semester Units**<br>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 Course Details**
https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:f22e5045-5cbb-3d91-8...

**Host Institution Campus**
Imperial College

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
Chemical Engineering

**Course Last Reviewed**
2023-2024

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