

COURSE DETAIL

OPERATIONS RESEARCH

Country

United Kingdom - England

Host Institution

Imperial College London

Program(s)

Imperial College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

154

UCEAP Course Suffix**UCEAP Official Title**

OPERATIONS RESEARCH

UCEAP Transcript Title

OPERATIONS RESEARCH

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

Students explore quantitative mathematical methods for taking decisions in the presence of constraints or finite resources; learn about linear programming, integer linear programming, robust optimization, and game theory and their application; classify mathematical programs on the basis of the number and types of their solutions; implement solution techniques for linear programs with both real and integer-valued variables; and become familiar with fundamental notions of duality, degeneracy, and sensitivity.

Language(s) of Instruction

English

Host Institution Course Number

COMP60016

Host Institution Course Title

OPERATIONS RESEARCH

Host Institution Course Details

<https://www.imperial.ac.uk/computing/current-students/courses/60016/>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Department of Computing

Course Last Reviewed

2025-2026

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