

COURSE DETAIL

OPERATIONS RESEARCH

Country

Ireland

Host Institution

University College Cork

Program(s)

University College Cork

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

137

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 study the application of statistical and computational methods to decision-making problems in management. Linear programming models for resource allocation; sensitivity analysis and duality; multiple management objectives using goal programming; network flow models for transportation, job-scheduling and inventory management; integer linear programming; network-representations; resource-levelling and time-cost tradeoffs, stochastic optimization.

Language(s) of Instruction

English

Host Institution Course Number

MS3022

Host Institution Course Title

OPERATIONS RESEARCH

Host Institution Course Details

<https://ucc-ie-public.courseleaf.com/modules-visiting-student/?details=&srcdb=2...>

Host Institution Campus

University College Cork

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistics

Course Last Reviewed

2024-2025

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