

# 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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