COURSE DETAIL

ANALYTICS MODELING
Country Ireland
Host Institution University College Dublin
Program(s) Irish Universities,University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Business Administration
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title ANALYTICS MODELING
UCEAP Transcript Title ANALYTICS MODELING
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
This course introduces the concept of mathematical and analytics modeling in decision problems, and surveys some of the major mathematical models and solution techniques. Students learn how to conceptualize complex business problems and transform them into a set of equations (models) that describe the problem. Once modeled, the problems can be solved using optimization techniques such as linear or mixed integer programming. Students are introduced to the use of computer packages to implement models for sample problems and assignments. The principles of active learning guide the face-to-face contact sessions with students engaging in hands-on mathematical modeling exercises.

Language(s) of Instruction
English

Host Institution Course Number
MIS30040

Host Institution Course Title
ANALYTICS MODELLING

Host Institution Course Details

Host Institution Campus
UC Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department
Management Information Systems

Course Last Reviewed

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