COURSE DETAIL

OPTIMIZATION

Country
Singapore

Host Institution
Singapore University of Technology and Design

Program(s)
Singapore University of Technology and Design

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mathematics

UCEAP Course Number
140

UCEAP Course Suffix

UCEAP Official Title
OPTIMIZATION

UCEAP Transcript Title
OPTIMIZATION

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

The course covers a broad range of optimization algorithms and models. Topics include linear programming, simplex algorithm, duality, sensitivity analysis, two player zero-sum games, network optimization, minimum cost flow, network simplex algorithm, integer programming, branch and bound methods, cutting plane methods, and dynamic programming.

Language(s) of Instruction
English

Host Institution Course Number
40.002

Host Institution Course Title
OPTIMISATION

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering Systems and Design

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