

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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering Systems and Design

Course Last Reviewed

2022-2023

[Print](#)