COURSE DETAIL

MANAGEMENT SCIENCE
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Business Administration
UCEAP Course Number 116
UCEAP Course Suffix
UCEAP Official Title MANAGEMENT SCIENCE
UCEAP Transcript Title MANAGEMENT SCIENCE
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course presents a practical approach (based on Excel examples) to understand the principles of management science and to apply them to business decision problems. Developing models of practical decision-making problems and solving them using Excel Solver, one learns how important and useful the scientific decision making process based on management science is for solving problems in real-world business applications. Focusing on management science modeling skills, this course covers linear programming, simplex method, sensitivity analysis, transportation models, integer programming, and others (if time permitted). Students learn the fundamental knowledge and analytical skills in management science. Management science (also called Operations research) combines the three broad disciplines of Mathematics, Computer Science, and Business Applications. This course aims to develop the ideas of developing, analyzing, and validating mathematical models for decision problems, and their systematic solution. The course involves modeling and mathematical analysis.

Language(s) of Instruction
English

Host Institution Course Number
BIZ2122

Host Institution Course Title
MANAGEMENT SCIENCE

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Business Administration

Course Last Reviewed
2021-2022

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