

## COURSE DETAIL

### AGRICULTURAL AND FOOD MANAGEMENT SCIENCE

**Country**

Korea, South

**Host Institution**

Seoul National University

**Program(s)**

Seoul National University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Agricultural Sciences

**UCEAP Course Number**

104

**UCEAP Course Suffix****UCEAP Official Title**

AGRICULTURAL AND FOOD MANAGEMENT SCIENCE

**UCEAP Transcript Title**

AG & FOOD MGMNT SCI

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course covers the application of management science methodology to various decision-making problems in the agricultural and food industry, models them mathematically, and derives optimal strategies. The course enables students to actually apply and discuss management science methodology to corporate cases related to the agricultural and food industry. Specifically, in this course, students acquire theoretical models for linear programming, network models, integer programming, nonlinear programming, multi-objective decision-making, decision-making under uncertainty, simulation, and queueing, and learn how to analyze them. In addition, it enables students to apply management science methodology to topics such as agricultural cultivation, food distribution and supply chain, and agricultural and food production planning, and derive and interpret results.

### Language(s) of Instruction

Korean

### Host Institution Course Number

M3321.000700 001

### Host Institution Course Title

AGRICULTURAL AND FOOD MANAGEMENT SCIENCE

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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