Course Objective
To study the quantitative models and techniques of mathematical programming that have been widely used to solve management problems. Students will meet in seminar and will be required to write individual research papers based on the general themes or issues of the seminar.

Prerequisites

Textbook
1. Related journal papers/conference papers (referred articles).
2. Supplementary materials compiled by the instructor.

Course Outline
Course description/Introduction to Quantitative Methods (QM)
Paper discussions include the following topics:
(Advanced) Linear Programming (LP)
Network Analysis
Integer Linear Programming (ILP)
Multi-criteria Programming
Nonlinear Programming (NLP)/Deterministic Optimization Theory
Deterministic Inventory Models

Grading
Paper Reading/Assignment 50%
Term Report (oral and written) 50%

References
**Notes**

1. Any dishonesty or violation of university rules must result in fail grade on this course.
2. The instructor reserves the right to adjust the grades. However, you are guaranteed that your grade will not be adjusted down. Participation will be a decisive factor.
3. A useful way to contact is my e-mail.
4. Other information can be found on the Internet at my website.