

MANAGEMENT SCIENCE (MSCI)

MSCI 6070 Quantitative Analysis for Management 3 cr

Introduction to the use of quantitative techniques, and computers to solve management problems. Mathematical optimization models, network analysis, and probability models.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: MSCI 5100.

MSCI 7550 Readings in Management Science (Ph.D.) 3 cr

A study of recent literature in the Management Sciences and their applications, with emphasis on new developments.

MSCI 7560 Doctoral Seminar in Management Science (Ph.D.) 3 cr

Seminars on the selected research topics of recent advances in the field of Management Science covering areas of current interests.

MSCI 7680 Mathematical Optimization Models 3 cr

A specialized course in mathematical optimization. Linear programming, integer programming, Fritz John and Kuhn-Tucker theorems, quadratic programming, nonlinear programming, duality, network analysis.

PR/CR: A minimum grade of C is required unless otherwise indicated.

Prerequisite: OPM 7120 (or OPM 6090).