

OPERATIONS MANAGEMENT (OPM)

OPM 3630 Simulation Models for Operations Management 3 cr

Seminar on the concept, techniques, and application of simulation for problem-solving and decision-making in operations management. Existing operational models will be studied and applied in computerized form.

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

Prerequisite: Consent of instructor.

OPM 3640 Project Planning and Control 3 cr

Seminar on management of complex projects of various kinds with emphasis on planning and control by means of network methods. PERT and CPM methods computer applications.

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

Prerequisite: consent of instructor.

OPM 3650 Management of Quality and Reliability 3 cr

This course offers a practical introduction to modern quality assurance and reliability management concepts, methods and practices. It builds upon the relevant subject matter in basic courses in production management and prepares for positions in the field of quality and reliability management.

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

Prerequisite: SCM 2160 [or the former OPM 2600 (D)] and STAT 1000 (C).

OPM 3660 Operations Management in Service Organizations 3 cr

This course explores the applications of operations management concepts to the management of service operations. The characteristics of a service operation, while generally comparable to manufacturing a product, often place a unique demand upon the service manager. These demands, along with the analysis of actual company situations through case study applications, are emphasized.

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

Prerequisite: SCM 2160 [or former OPM 2600] (D) and STAT 1000 (C).

OPM 3670 POM Project in Industry 3 cr

An applied course, designed to bridge the gap between theoretical concepts developed in previous POM courses and current industrial practices by means of an industrial project.

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

Prerequisites: [SCM 2160 or former OPM 2600 (D)] and STAT 1000 (C) or consent of instructor.

OPM 4620 Production Management Seminar 3 cr

Problems, development, and application of analytical methods in production and operations management with emphasis on planning and control.

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

Prerequisite: MSCI 2150 (D) and SCM 2160 or OPM 2600 (D).