

OPERATIONS MANAGEMENT (OM)

OM 2040 (s) Special Topics (1-16 credits, max 99)
Credit arranged

OM 2980 (s) Internship (1-3 credits, max 6)
Graded Pass/Fail.

OM 2990 (s) Directed Study (1-16 credits, max 99)
Credit arranged

OM 3700 Introduction to Operations and Supply Chain Management (3 credits)

Examines the concepts and tools used to design, implement, manage, evaluate, and improve the business operations used to create and deliver value to customers through supply chains. Globalization, ethics, social responsibility, and sustainability issues associated with operations will also be considered. May involve evening exams. Typically Offered: Fall, Spring and Summer.

Prereqs: STAT 2510 or STAT 3010 or MATH 3300

OM 3780 Project Management (3 credits)

Planning, organizing, staffing, controlling, and directing an organization's resources for special projects; topics include matrix organizations, cross functional teamwork, budgeting, work breakdown structures, critical path method (CPM), program evaluation and review techniques (PERT), capacity planning, and project control. May involve evening exams. Typically Offered: Fall, Spring and Summer.

OM 3980 Internship (1-3 credits, max 6)

OM 4040 (s) Special Topics (1-16 credits, max 99)
Credit arranged

OM 4390 Systems and Simulation (4 credits)

Distribution theory, random numbers, modeling concepts, and simulation of queuing and inventory systems. Students must have access to a laptop computer for use in class. Three lectures and one 3-hour lab a week. May involve evening exams. May involve field trips. Typically Offered: Fall and Spring.

Prereqs: OM 3700, CHE 4530, ME 3130, or MSE 4530; or Permission

OM 4560 Enterprise Quality Management (3 credits)

Cross-listed with STAT 4560

Principles of quality management, with a focus on Lean Six Sigma concepts and Define-Measure-Analyze-Improve-Control (DMAIC) approach to managing and improving enterprise quality. Additional work required for graduate credit. May include evening exams. May involve field trips. Typically Offered: Varies.

Prereqs: STAT 2510 or STAT 3010 or Permission

OM 4700 Supply Chain Analytics (3 credits)

Prepares students with descriptive, diagnostic, predictive, and prescriptive analytics tools to explore key issues associated with the design, implementation, and management of various supply chains, with emphasis on the strategic planning, sourcing, logistics, inventory management, sales and operation planning, and distribution. May involve evening exams. Typically Offered: Fall and Spring.

Prereqs: BUS 3540 and OM 3700

OM 4720 Enterprise Planning and Scheduling (3 credits)

In-depth analysis and application of planning and scheduling techniques in enterprise operations, with emphasis on key modules of manufacturing, planning, and control systems and their implications on companies' supply chains. ERP software will be introduced. May involve evening exams and field trips. Typically Offered: Varies.

Prereqs: OM 3700

OM 4980 (s) Internship (1-16 credits, max 99)

Credit arranged Graded Pass/Fail.

OM 4990 (s) Directed Study (1-16 credits, max 99)

Credit arranged