

OPERATIONS MANAGEMENT (OM)

OM 204 (s) Special Topics (1-16 credits)

Credit arranged

OM 298 (s) Internship (1-3 credits, max 6)

OM 299 (s) Directed Study (1-16 credits)

Credit arranged

OM 370 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 251 or STAT 301 or MATH 330

OM 378 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, Summer.

OM 398 Internship (1-3 credits, max 6)

OM 404 (s) Special Topics (1-16 credits)

Credit arranged

OM 439 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 370, CHE 453, ME 313, or MSE 453; or Permission

OM 456 Enterprise Quality Management (3 credits)

Cross-listed with STAT 456

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 251 or STAT 301 or Permission

OM 470 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 354 and OM 370

OM 472 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.

Prereqs: OM 370

OM 498 (s) Internship (1-16 credits)

Credit arranged

OM 499 (s) Directed Study (1-16 credits)

Credit arranged