OPERATIONS MANAGEMENT (OM)

OM 204 (s) Special Topics
Credit arranged

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

OM 299 (s) Directed Study
Credit arranged

OM 370 Process Management
3 credits
This course examines the concepts and tools used to design, implement, manage, evaluate and improve the business processes used to create and deliver value to customers. International and ethical issues associated with process management will also be considered. May involve evening exams.
Prereq: 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.

OM 398 Internship
1-3 credits, max 6

OM 404 (s) Special Topics
Credit arranged

OM 439 Systems and Simulation
4 credits
Distribution theory, random numbers, modeling concepts, and simulation of queueing 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. (Spring only)
Prereq: OM 370, CHE 453, ME 313, or MSE 453; or Permission

OM 446 Six Sigma Innovation
3 Credits
Six Sigma is a highly structured strategy for acquiring, assessing, and applying customer, competitor, and enterprise intelligence for the purposes of product, system or enterprise innovation and design. It has two major thrusts, one that is directed toward significant innovation or improvement of an existing product, process or service that uses an approach called DMAIC (Define - Measure - Analyze - Improve - Control) and a second dedicated to design of new processes, products or services. This course focuses on the innovation aspects of Six Sigma. Recommended preparation: STAT 431. Cooperative: open to WSU degree-seeking students. (Spring, alt/years)
Prereq: STAT 251 or STAT 301.