OPERATIONS AND SUPPLY CHAIN MANAGEMENT (OSCM)

OSCM 341 Operations Management (3 crs)
Prerequisite: ECON 103 and ECON 104, ACCT 201 OR ACCT 202, IS 240, BSAD 202 or MATH 246, MATH 109, BCOM 206, SPDP Workshops, and completion of 54 credits.
•*Formerly offered as MGMT 341.*

Design, operation, and control of value-added processes to create goods and services. Strategic process design, capacity planning, production scheduling, project scheduling, inventory management, quality management and problem solving, statistical process control.

Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 342 Quality Management (3 crs)
Prerequisite: OSCM 341. Minimum junior standing.
• *Formerly offered as MGMT 342.*

An examination of the technical and the managerial issues that are important in understanding and implementing quality assurance in manufacturing and service organizations.

Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 343 Supply Chain Management (3 crs)
Prerequisite: OSCM 341. Minimum junior standing.
• *This class requires access to a laptop computer which can be brought to class when required. Please see the COB laptop requirement: https://www.uwec.edu/academics/college-business/laptop-requirement/. Formerly offered as MGMT 343.*

Introducing fundamental concepts and techniques of supply chain management that allow students to formulate effective supply chain strategies for different industries and markets.

Attributes: Special Course Fee Required
Grading Basis: A-F Grades Only
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 344 Managerial Decision Modeling and Analysis (3 crs)
Prerequisite: ACCT 201 OR ACCT 202; ECON 103, 104; IS 240; MATH 246 or BSAD 202; OSCM 341.
• *This class requires access to a laptop computer that can be brought to class when required. Please see the COB laptop requirement: https://www.uwec.edu/academics/college-business/laptop-requirement/. Formerly offered as MGMT 344.*

Tools and methods in support of business decision making. Spreadsheet modeling, graphical analysis, time series forecasting, decision making under uncertainty, optimization models, and multiple regression modeling.

Attributes: Special Course Fee Required
Grading Basis: A-F Grades Only
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 363 International Logistics and Supply Chain Management (3 crs)
Prerequisite: OSCM 341 and minimum Junior Standing
• *Formerly offered as MGMT 363.*

This course provides an introductory investigation of international logistics and global supply chain management with special emphasis on manufacturing, procurement, transportation and distribution. The course will include a review of the economic/legal environment surrounding import-export trade practices as well as necessary documentation, insurance and payment issues.

Attributes: Special Course Fee Required
Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 398 Internship Program I (1-3 crs)
Prerequisite: OSCM 341. Minimum Junior Standing.
Consent: Department Consent Required
• *Acceptance in Internship Program. See description under College of Business. A maximum of three credits toward internship may be applied to the 120-credit graduation requirement. Students must have the service-learning option approved prior to starting the internship.*

Students will participate in work experiences related to operations and supply chain management.

Attributes: Service-Learning Optional, Special Course Fee Required
Repeat: Course may be repeated for a maximum of 3 credits

OSCM 399 Independent Study Projects (1-4 crs)
Prerequisite: Minimum junior standing. OSCM 341.
Consent: Department Consent Required
Individual project under the direction of a faculty member.

Repeat: Course may be repeated for a maximum of 4 credits

OSCM 442 Production Planning and Control (3 crs)
Prerequisite: OSCM 341 with C- or better. Minimum junior standing.
- *Formerly offered as MGMT 442.*

The design and use of procedures for managing production systems; includes process planning and routing, scheduling, dispatching, and progress control.

Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 443 Process Simulation and Analysis (3 crs)
Prerequisite: MATH 246. Completion of these BUSCORE requirements: BCOM 206, BCOM 207, BLAW 305, FIN 320, MGMT 340, OSCM 341, MKTG 330. Minimum junior standing.
- *This class requires access to a laptop computer which can be brought to class when required. Please see the COB laptop requirement: https://www.uwec.edu/academics/college-business/laptop-requirement/. Formerly offered as MGMT 443.*

Simulation modeling and analysis using spreadsheets and discrete-event simulation software. Through a series of modeling exercises, students will examine a number of process design and scheduling issues relevant to manufacturing and service operations.

Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 452 Master Planning of Resources (1 cr)
Prerequisite: OSCM 442 or concurrent enrollment. Completion of these BUSCORE requirements: BCOM 206, BCOM 207, BLAW 305, FIN 320, MGMT 340, OSCM 341, MKTG 330.
- *Formerly offered as MGMT 452.*

Principles and processes of master planning of resources. Demand management, sales and operations planning, and master scheduling. Development of operations plans, validating and evaluating performance at all levels of master planning.

Lecture/Discussion Hours: 1
Lab/Studio Hours: 0

OSCM 453 Detailed Planning and Scheduling (1 cr)
Prerequisite: OSCM 442 or concurrent enrollment.
Consent: Department Consent Required
- *Formerly offered as MGMT 453.*

Material and capacity scheduling and planning, including a detailed explanation of material requirements planning (MRP) and capacity requirements planning (CRP), introduction of other material planning techniques and capacity-planning techniques.

Grading Basis: A-F Grades Only
Lecture/Discussion Hours: 1
Lab/Studio Hours: 0

OSCM 461 Lean Manufacturing Systems and Concepts (3 crs)
Prerequisite: BCOM 206, 207, BLAW 305, FIN 320, MGMT 340, MKTG 330. OSCM 341 with C- or better
- *Formerly offered as MGMT 461.*

Concepts, tools, and techniques applied in the design and operation of lean manufacturing systems.

Lecture/Discussion Hours: 3
Lab/Studio Hours: 0

OSCM 493 Topics in Operations Management (1-3 crs)
Prerequisite: OSCM 341. Additional prerequisites may be required depending on the topic. (See current Class Schedule.) Minimum junior standing.
- *Additional prerequisites may be required depending on the topic. (See current Class Schedule.) Formerly offered as MGMT 493.*

Current issues in operations management will be the focus of attention. Topic selection will be made by the instructor. Issues will be those facing contemporary operations professionals.

Repeat: Course may be repeated for a maximum of 3 credits

OSCM 498 Internship Program II (1-3 crs)
Prerequisite: OSCM 341. Minimum senior standing
Consent: Department Consent Required
- *Acceptance in Internship Program. See description under College of Business. Additive credit only. May not be applied to the 120-credit graduation requirement. Students must have the service-learning option approved prior to starting the Internship.*

Students will participate in work experiences related to their area of interest.

Attributes: LE-I1 Integration, Service-Learning Optional, Special Course Fee Required
Repeat: Course may be repeated for a maximum of 3 credits