

MANAGEMENT (MGT) SOLANO CAMPUS

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MGT Courses

MGT 1195 Special Topics (1-3 units)

Term Typically Offered: F, SP, SU

Prerequisite: Consent of instructor.

Elective course on various topics concerning security, strategy, policy, law, environment, or global society. 1 to 3 lectures. Formerly MGT 195 at Cal Maritime.

MGT 2200 Information Systems Management (3 units)

Term Typically Offered: SP

Hands-on experience using advanced features of Microsoft Excel. Basic to intermediate Excel functions including logic, lookup, and computational functions. Pivot tables and other data management techniques will be applied to real world business problems. Advanced charting and data visualization techniques. 3 lectures. Formerly MGT 200 at Cal Maritime.

MGT 2205 Organizational Behavior and Labor Relations (3 units)

Term Typically Offered: F

Overview of the functions of human relations. Human resource management, unionism, and the integration of business and government in controlling and planning the human resources of most organizations. 3 lectures. Formerly MGT 205 at Cal Maritime.

MGT 3310 Port and Terminal Management and Operations (3 units)

Term Typically Offered: SP

Prerequisite: One of the following: ECO 100, ECO 1100, NAU 108, or NAU 1108.

Overview of modern port and terminal operations, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo management, and integration of marine port and terminal operations with other modes of transportation. Introduction to several different types of marine terminals, including containerized liner facilities, dry bulk, and liquid bulk facilities, ro-ro terminals, and others. Historical review of developments in maritime industry and policy. 3 lectures. Formerly MGT 310.

MGT 3355 Procurement and Negotiations (3 units)

Term Typically Offered: F, SP

Prerequisite: Junior standing.

A quantitative study of strategic interaction, supply chain coordination, contract management, assortment planning, and vendor performance evaluation. 3 lectures. Formerly MGT 355 at Cal Maritime.

MGT 3360 Inventory and Material Handling (3 units)

Term Typically Offered: SP

Prerequisite: Junior standing.

A study of best practices in the field of business logistics, including the transportation and distribution of products throughout a supply chain. 3 lectures. Formerly MGT 360 at Cal Maritime.

MGT 3380 Project Management (3 units)

Term Typically Offered: SP

Prerequisite: Junior standing.

A survey of the knowledge, skills, tools, and techniques used to meet specific project requirements and execute projects effectively and efficiently. 3 lectures. Formerly MGT 380 at Cal Maritime.

MGT 3395 Special Topics (1-3 units)

Term Typically Offered: F, SP, SU

Prerequisite: Consent of instructor.

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities, the expertise of visiting faculty, or off-campus educational programs may afford a unique and worthwhile learning experience. 1 to 3 lectures. Formerly MGT 395 at Cal Maritime.

MGT 4400 Strategic Management (3 units)

Term Typically Offered: F

Prerequisite: Junior standing.

Capstone course that requires computer modeling and the use of most of the courses in the business curriculum to solve problems in business management. Course is an integrative case study course and must use knowledge acquired in management, finance, accounting, and statistical analysis. 3 lectures. Formerly MGT 400 at Cal Maritime.

MGT 4410 Quantitative Managerial Methods (3 units)

Term Typically Offered: F

2026-28 or later: Upper-Div GE Area 2/5

2020-26 catalogs: Upper-Div GE Area B

Prerequisite: MTH 107 or MTH 1107; and MGT 200 or MGT 2200.

Practical applications of mathematical models for managerial decision-making. Basis for optimization of decisions; linear and integer programming; transportation problems, queuing theory and simulation. 3 lectures. Fulfills GE Areas Upper-Division 2 or Upper-Division 5 (GE Area Upper-Division B for students on the 2020-26 catalogs). Formerly MGT 410 at Cal Maritime.

MGT 4415 Operations Management (3 units)

Term Typically Offered: SP

Prerequisite: MTH 107 or MTH 1107.

Focuses on the concepts of production management. Discussion of manufacturing, service industry, production capacity, total quality management and general concepts of production management. 3 lectures. Formerly MGT 415 at Cal Maritime.

MGT 4420 Supply Chain Management (3 units)

Term Typically Offered: F

Prerequisite: Junior Standing.

Basic techniques and strategic issues of global supply chain management, including the impact of culture, strategic planning, organization, and management control, which add value during the successful movement of products from their origins as raw materials to their final destinations as finished products. Customer service, e-commerce, facilities location, routing and pricing, storage, transportation, emerging technologies, and re-engineering the supply chain. Examples will be drawn from supply chains including a maritime link. 3 lectures. Formerly MGT 420 at Cal Maritime.

MGT 4425 Quality Management (3 units)

Term Typically Offered: F, SP

Prerequisite: Junior Standing.

Quality management improvement systems. Management of quality in manufacturing, service and public sectors; quality control and assurance; quality costs; Total Quality Management (TQM), Six-Sigma Process and the DMAIC approach; morality and ethics of quality; Statistical Quality Control methods; design and implementation of quality-related procedures; Statistical Process Control and capability Analyses. 3 lectures. Formerly MGT 425 at Cal Maritime.

MGT 4430 International Supply Chain (3 units)

Term Typically Offered: SP

Prerequisite: Junior Standing.

Key issues associated with the design and management of international supply chains. Global dimensions of supply chains, the strategic sourcing process, the strategic value-adding role operations and distribution plays in the international supply chain, current transportation management strategies used to improve supply chain performance, the capabilities of an integrated supply chain information system, the coordination and integration of functions across the supply chain, the influence of competitive globalization drivers, uncertainty, risk and flexibility in the international supply chain context, aligning supply chains, reverse logistics systems. 3 lectures. Formerly MGT 430 at Cal Maritime.

MGT 4435 Marine Insurance (3 units)

Term Typically Offered: F

Prerequisite: Junior standing.

Introduction to the history and types of marine insurance, its regulatory environment, types of ships, carriers, cargo, as well as forms, contracts, policies, different classes of risk, and types of claims. Chartering and brokerage are also introduced. Guest speaker visits as available. 3 lectures. Formerly MGT 435 at Cal Maritime.

MGT 4440 Logistics Cases and Analysis (3 units)

Term Typically Offered: SP

Prerequisite: Senior standing.

Case studies in logistics management. Logistics planning and control, challenges and issues affecting international logistics, reverse logistics, strategic sourcing, risk analysis, supply chain technology integration, supply chain sustainability. 3 lectures. Formerly MGT 440 at Cal Maritime.

MGT 4445 Maritime Innovation (3 units)

Term Typically Offered: SP

Prerequisite: Junior standing.

History of innovation in the maritime industry and an introduction to recent breakthroughs. Problem identification, innovation management, design thinking, building, hypothesis testing, and taking a new product or process to market (both internal and external). Types of innovation, innovation in groups, teams and organizations. 3 lectures. Formerly MGT 445 at Cal Maritime.