SCMT - SUPPLY CHAIN MGMT

SCMT 610 Business Analytics
Credits 1 to 3. 1 to 3 Lecture Hours.
Utilization of quantitative tools such as forecasting, optimization and Monte Carlo simulation in order to deal with uncertainties in business and to assist in making better business decisions. May be repeated up to 3 hours credit. Classification 6 students may not enroll in this course.
Prerequisite: Enrollment is limited to MBA students.

SCMT 614 Operations Management
Credits 1 to 3. 1 to 3 Lecture Hours.
Theory and applications of designing, analyzing and controlling productive systems in the allocation and use of resources to produce goods and services. May be repeated for up to 3 hours credit. Classification 6 students may not enroll in this course.
Prerequisites: SCMT 610 or equivalent; enrollment is limited to MBA students.

SCMT 616 Supply Chain Management
Credits 1 to 3. 1 to 3 Lecture Hours.
Focus on the integrated management of the total product delivery system; purchasing, inventory management and distribution functions with emphasis on physical and information flows.
Prerequisites: SCMT 614; MBA classification.

SCMT 636 Decision Support Systems
Credits 3. 3 Lecture Hours.
Use of decision support systems in business-related decision making, business environment, use of models, user interface with decision support systems and decision support systems examples. Classification 6 students may not enroll in this course.
Prerequisite: SCMT 303 or equivalent.

SCMT 638 Information Technology in Supply Chain Management
Credits 3. 3 Lecture Hours.
Review, evaluate, and contribute to the existing knowledge base regarding the management of information flows from automatic identification systems such as RFID.
Prerequisites: ISEN 615 and PhD students or Masters students with a thesis degree plan or approval of instructor.

SCMT 645 Business Process Design
Credits 3. 3 Lecture Hours.
Introduction to business process design and analysis; tools and techniques to document, analyze and improve business processes; Six Sigma process design and improvement; process metrics; computer simulation of processes; aligning business process with organizational goals and objectives; and case study of real world business problems.
Prerequisites: Graduate classification or approval of instructor; SCMT 614, SCMT 660 or approval of instructor.

SCMT 650 Applied Predictive Analytics for Business
Credits 3. 3 Lecture Hours.
Develop an understanding of the role of predictive analytics in shaping business outcomes; provide hands-on, practical approach to implementing predictive analytics tools for gaining competitive advantage in business.
Prerequisite: Graduate classification.