

BUSINESS ANALYTICS & TECHNOLOGY MANAGEMENT (EBTM)

EBTM 602 INTRODUCTION TO SUPPLY CHAIN MANAGEMENT (3)

Basic concepts and strategies adopted in SCM. Primary focus is to develop a good understanding of strategic, tactical and operational issues of SCM and become familiar with the integration of various SCM entities. Topics include: supply chain strategy and deplaning, supply chain operations, procurement, supply chain risk management, supply chain coordination and integration, global SCM, supply chain revenue management, coordinated product design chain and SC, and supply chain information technologies. Prerequisites: graduate degree seeking status and statistics proficiency.

EBTM 604 INTRODUCTION TO PROJECT MANAGEMENT (3)

Introduces students to the behavioral and technical aspects of managing projects. Challenges of planning, monitoring and controlling complex projects to achieve the desired cost, quality and performance objectives will be discussed. Topics covered will also include cross-functional project teams, project integration, time management, time-cost trade-offs in project completion and resource allocation. Prerequisites: graduate degree-seeking status and statistics proficiency; not open to students who have successfully completed EBTM 343 (EBTM 443) or MNGT 443.

EBTM 610 OPERATIONS MANAGEMENT (3)

Demonstrates the significance of efficient and effective management of operations for competitiveness and success in manufacturing and service organizations. Topics include: Overview of the field, capacity management, facility location, Six-sigma quality, statistical quality control, sales and operations planning, inventory control, lean production. Prerequisites: graduate degree seeking status and MKTG 607 or statistics proficiency.

EBTM 620 PROCUREMENT AND SOURCING (3)

Topics include purchasing decisions and strategy, the legal aspects of purchasing, negotiation product and service quality, lean purchasing, supplier selection and evaluation, supplier relationship management, and special purchasing applications such as health care purchasing, government purchasing, professional service purchasing, transportation service purchasing. Prerequisites: graduate degree seeking status and statistics proficiency.

EBTM 625 PROJECT LEADERSHIP AND COMMUNICATION (3)

Advanced project management topics necessary for implementation of, and excellence in, project management. Topics include human resource management, risk management, quality management, project office, conflicts, project leadership and communications management. Project management software will be used to support the course material. Prerequisites: program admission and EBTM 604, or consent of department.

EBTM 710 LOGISTICS AND DISTRIBUTION (3)

The study of logistics system and distribution network and related firm strategy in the context of supply chain management. Topics include inventory, logistics network, warehouse management, transportation infrastructure and management, packaging and material handling, outbound logistics, distribution management, reverse logistics, and international logistics. Prerequisite: program admission or department consent.

EBTM 720 SUPPLY CHAIN ANALYTICS (3)

Addresses analytics applied in different stages of supply chain and focuses on how technology is used to collect and analyze data to support decision making in the supply chain. Topics include supply chain decision support systems, supply chain optimization technologies, supply chain intelligence, supply chain visibility and collaborative technologies, and other emerging supply chain technologies. Prerequisites: graduate degree seeking status and statistics proficiency.

EBTM 730 BUSINESS PROCESS MANAGEMENT (3)

Designing and monitoring processes today can involve designing and orchestrating massive systems. Business Process Management (BPM) is a discipline that helps managers and analysts to design, run, administer, and monitor enterprise business processes. Explains BPM concepts, architecture and specifications, introduces the student to process modeling / design tools used to design and optimize business processes as well as performance measuring approaches for evaluating business process performance. Hands-on experience in process modeling using Process modeling and/or workflow software is also provided. Not open to students who successfully completed EBTM 454. Prerequisite: graduate degree seeking status.

EBTM 735 SIX-SIGMA QUALITY (3)

Understanding of the processes involved with the implementation of projects involving quality management and six sigma methodologies. Topics will include quality improvement, quality management, process analysis, process redesign, root cause analysis, and continuous improvement. Software including spreadsheet modeling, project management, and flowcharting will be used to support the course material. Not open to students who successfully completed EBTM 462. Prerequisites: graduate degree seeking status and statistics proficiency.

EBTM 740 CUSTOMER RELATIONSHIP MANAGEMENT (3)

Theories and applications in customer relationship management which include analyzing customers to identify their needs and wants, satisfying customer needs and wants by developing customer-centric projects and services, building sustainable customer relationships, and ultimately achieving customer retention and loyalty. Provides students with knowledge and skills that are essential for consumer analyses and market strategies. Students will obtain hands-on experience and analytical CRM as well as data mining applications commonly used in business. Not open to students who successfully completed EBTM 340. Prerequisite: graduate degree seeking status.

EBTM 750 PROGRAM AND PORTFOLIO MANAGEMENT

(3)

Managing portfolios and programs from a strategic firm perspective. Principle areas of focus within program management will be strategic alignment, benefits management, stakeholder and communication management, risk management and leadership. Principle topics within project portfolio management will include project portfolio methodology, establishing a governance process, project selection techniques, and application of methods to optimize and balance a project portfolio. Using a case study and software tools, students will explore the importance of using organizational strategies to align projects, and apply practices to create portfolio and programs to leverage organizational assets. Not open to students who successfully completed EBTM 450. Prerequisites: EBTM 604 and graduate degree seeking status.

EBTM 790 SPECIAL TOPICS IN SUPPLY CHAIN MANAGEMENT (3)

Current topics in supply chain management covering contemporary and emerging issues. May be repeated for credit provided a different topic is covered. Prerequisite: graduate degree seeking status.

EBTM 795 INDEPENDENT STUDY (3)

Independent research in specific areas of the field of the degree being pursued. A total of 3 units for any combination of directed readings or independent research is allowed in the area of study. Prerequisite: consent of department.

EBTM 797 INTERNSHIP IN SUPPLY CHAIN MANAGEMENT (3)

Supervised experience in a field setting which facilitates the application of supply chain knowledge. Prerequisites: graduate degree-seeking status and consent of department. Graded S/U.

EBTM 881 SUPPLY CHAIN MANAGEMENT CAPSTONE PROJECT (3)

Capstone course and an independent research or applied project in content areas related to supply chain management. Students work under the supervision of their faculty advisors to address a significant theoretical or applied problem in supply chain management. The completed project should clearly present the problem of the research subject investigated or applied project undertaken, its significance to theory and business practice, the research or project background, a well-defined method, results or findings, and their implications. Prerequisites: EBTM 602 and completion of at least 15 units in the Supply Chain Management MS program.

EBTM 882 SUPPLY CHAIN MANAGEMENT CAPSTONE PROJECT CONTINUUM (1)

Designed for students to continue their independent supply chain project in EBTM 881. Students work under the supervision of their faculty advisors to address a significant theoretical or applied problem in supply chain management. The completed project should clearly present the problem of the research subject investigated or applied project undertaken, its significance to theory and business practice, the research or project background, a well-defined method, results or findings, and their implications. Prerequisites: EBTM 602 and EBTM 881 and completion of at least 15 units in the Supply Chain Management MS program.