

# SUPPLY CHAIN AND LOGISTICS

The Supply Chain Management Basics course focuses on the key strategic drivers of effective supply chain management. As the supply chain grows in complexity and companies continue to source products and services from a more diverse and global set of suppliers, the job of managing the processes that ensure the steady and reliable flow of components and inputs has never been more difficult.

## Academic Credit Opportunities

Certification may qualify as academic credit and substitute for specific courses in the University of Massachusetts Global Bachelor in Business Administration or the Bachelor of Science in Computing Technology degree programs.

- Six Sigma Green Belt may be substituted for CSCU 383 Applied Project Management and CSCU 415 Systems Quality Assurance and Testing.

## BUSU 0019 Supply Chain Management Basics

As a supply chain grows in complexity, and companies increasingly source products and services from a more diverse and global set of suppliers, the job of managing the processes that ensure the steady and reliable flow of components and inputs has never been more difficult. This course introduces the core concepts and components of supply chain management, including supplier evaluation, logistics, inventory management, and other supply chain practices. 1 credit.

- 10 Clock Hours / 1.0 CEU
- 10 SHRM PDCs\*\*

\* PDUs/ contact hours recognized by the Project Management Institute.

\*\* Approved for Professional Development Credits towards SHRM-CP and SHRM-SCP recertification through SHRM.

## BUSU 0093 Logistics and Distribution Management

This course explores the fundamental concepts and ideas of logistics and distribution management. It delves into the various logistics information management systems, analyzes their financial aspects and technological influences, and explains how to manage and measure their performance. This course is divided into modules that explain logistics management, inventory management, and warehousing and distribution. Throughout these modules, course participants will review and distinguish between inbound logistics, outbound logistics, reverse logistics, and third-party logistics; explore the tools and techniques for tracking and valuing inventory, including ABC analysis; and learn the functions of packaging and methods for transporting goods through simple and complex distribution channels 0.6 credits.

- 6 Clock Hours/.6 CEUs
- 6 PMI PDUs\*
- 6 SHRM PDCs\*\*

\* PDUs/ contact hours recognized by the Project Management Institute.

\*\* Approved for Professional Development Credits towards SHRM-CP and SHRM-SCP recertification through SHRM.

## BUSU 0094 Operations Management

This course explores the fundamental concepts and theories practitioners will need to successfully guide operations in manufacturing and service organizations. Modules in this self-paced course introduce key foundational material, describe the interplay of supply chains and demand management, and explain the role that processes and process management play in robust operations. Specific tools, techniques, and methodologies (including Lean, total quality management, and Six Sigma) are presented to show their applicability to operational strategies. 1 credit.

- 10 Clock Hours/1.0 CEU
- 10 PMI PDUs\*
- 10 SHRM PDCs\*\*

\* PDUs/ contact hours recognized by the Project Management Institute.

\*\* Approved for Professional Development Credits towards SHRM-CP and SHRM-SCP recertification through SHRM.

## BUSU 0095 Procurement and Supply Management

This course explains the evolution from the transactional purchasing or procurement function into the strategic process of supply management. It introduces key concepts and ideas that can be used to successfully source and manage suppliers and to deal with issues that may arise across the supply chain. The course is divided into modules that explain supply management basics; describe strategic, ethical, and sustainable sourcing; and discuss supply chain leadership and integration. Course participants will explore supply management from several viewpoints; align sourcing, communication, and management strategies; and incorporate ethical and sustainable practices into the supply chain. Trends and changes to the profession due to the Internet and emerging technologies are also discussed. 0.8 credits.

- 8 Clock Hours / .8 CEUs
- 8 PMI PDUs\*
- 8 SHRM PDCs\*\*

\* PDUs/ contact hours recognized by the Project Management Institute.

\*\* Approved for Professional Development Credits towards SHRM-CP and SHRM-SCP recertification through SHRM.

## BUSU 0090 Lean Six Sigma Basics

The Lean Six Sigma Basics course describes the strategies, techniques, and concepts practitioners will need to complete process improvement projects and activities. The course's eight modules describe the important themes, principles, and tools of the DMAIC methodology that help refine processes and enhance operations. Throughout the course, learners will be tested on their comprehension of course topics through exercises, interactive games, and case study assignments. Each module also includes quizzes and tests that learners can use to prepare for the 50-question exam at the course end. Video segments from subject matter experts supplement the course material, to provide real-world examples and enhanced understanding of important concepts and best practices. 3.8 credits.

- 38 Clock Hours / 3.8 CEUs
- 38 PMI PDUs\*

\* PDUs/ contact hours recognized by the Project Management Institute.

**BUSU 0092 Lean Six Sigma Yellow Belt Prep Course and Exam**

The Lean Six Sigma Yellow Belt Exam Prep course describes the strategies, techniques, and concepts practitioners will need to effectively prepare for the MindEdge Lean Six Sigma Yellow Belt certification exam. The seven modules of the course explore the essential components of the DMAIC methodology, describing the important themes, principles, and tools needed to refine processes and enhance operations. Learner understanding and comprehension are tested throughout the course with interactive games, exercises, case studies, and quizzes. Videos from working professionals provide real-world implementation examples and augment course materials to extend mastery of key concepts. And two 25-question practice exams are presented to mirror the substance and style of questions that course participants will see when they sit for their MindEdge certification exam. 2.6 credits.

- 26 Clock Hours / 2.6 CEUs
- 26 PMI PDUs\*

\* PDUs/ contact hours recognized by the Project Management Institute.

**BUSU 9024 Six Sigma Yellow Belt Prep Course and Exam**

This self-paced course prepares learners for the successful completion of the MindEdge Six Sigma Yellow Belt Certification Exam by exposing them to the Six Sigma concepts, strategies, tools, and techniques used in process improvement projects. The course is divided into modules that explain key foundational Six Sigma information, guide students through the five steps of the DMAIC methodology, and demonstrate how a Six Sigma approach can benefit organizations in several, diverse industries or business sectors. Course assignments show the tools and skills practitioners will use in support of process improvement activities, and explain how participants can contribute as important members of improvement teams. Throughout the course, learners will be tested on their understanding and comprehension of course topics through challenging exercises, and interactive games. Each module also includes comprehensive quizzes and tests that learners can use to gauge their progress and prepare for each of the 25-question practice exams at the course end. Video segments from subject matter experts also supplement the course material, to provide real-world examples and enhanced understanding of important concepts and best practices. 2 credits.

- 20 Clock Hours / 2.0 CEUs
- 20 PDUs\*

\* PDUs/ contact hours recognized by the Project Management Institute.

**BUSU 0091 Lean Six Sigma Green Belt Prep Course and Exam**

The Lean Six Sigma Green Belt Exam Prep course describes the strategies, techniques, and concepts practitioners will need to effectively prepare for the MindEdge Lean Six Sigma Green Belt certification exam. The nine modules of the course explore the essential components of the DMAIC methodology, describing the important themes, principles, and tools needed to refine processes and enhance operations. Learner understanding and comprehension are tested throughout the course with interactive games, exercises, case studies, and quizzes. Videos from working professionals provide real-world implementation examples and augment course materials to extend mastery of key concepts. And two 50-question practice exams are presented to mirror the substance and style of questions that course participants will see when they sit for their MindEdge certification exam. 3.8 credits.

- 38 Clock Hours / 3.8 CEUs
- 38 PMI PDUs\*

\* PDUs/ contact hours recognized by the Project Management Institute.

**BUSU 9025 Six Sigma Green Belt Prep Course and Exam**

This self-paced course prepares learners for the successful completion of the MindEdge Six Sigma Green Belt Certification Exam by explaining the concepts, strategies, tools, and techniques they will need to complete process improvement projects and activities. The course is divided into 10 modules that explain key foundational Six Sigma information, guide students through the five steps of the DMAIC methodology, and demonstrate how a Six Sigma approach can benefit organizations in several, diverse industries or business sectors. Course assignments detail the tools and skills learners will implement as they apply a Six Sigma approach to process improvement activities, and show practitioners how they can contribute as important members of improvement teams. Throughout the course, learners will be tested on their understanding and comprehension of course topics through challenging exercises, interactive games, and case study assignments. Each module also includes comprehensive quizzes and tests that learners can use to gauge their progress and prepare for each of the two 50-question practice exams at the course end, as well as summaries and study guides that can be used for review. Video segments from subject matter experts also supplement the course material, to provide real-world examples and enhanced understanding of important concepts and best practices. 3.2 credits.

- 32 Clock Hours / 3.2 CEUs
- 32 PDUs\*

\* PDUs/ contact hours recognized by the Project Management Institute.