



Advanced Warehouse Operations and Inventory Safety Training Course

Ref: #LOG9993



Course Introduction / Overview:

This comprehensive training course is designed to equip professionals with the advanced skills needed to manage modern warehouse operations, control inventory with precision, and establish a culture of uncompromising safety. In today's fast-paced supply chain, the warehouse is no longer a simple storage space but a critical hub for value creation, demanding a sophisticated blend of strategic planning and operational excellence. This program delves into the core principles that drive efficiency, from advanced inventory control techniques to warehouse optimization and robust safety management systems. Drawing on concepts from leading experts like Edward Frazelle, author of "World-Class Warehousing and Material Handling," participants will explore how to integrate lean principles and data-driven decision-making into their daily routines. BIG BEN Training Center has developed this course to bridge the gap between traditional practices and the future of logistics, focusing on practical applications that reduce costs, improve inventory accuracy, and ensure a secure working environment for all personnel. This is an essential program for anyone looking to master the complexities of warehouse and inventory management in a competitive global market.

Target Audience / This training course is suitable for:



- Warehouse Managers and Supervisors.
- Supply Chain and Logistics Professionals.
- Inventory Control Specialists and Planners.
- Operations Managers.
- Health and Safety Officers.
- Distribution Center Team Leaders.
- Procurement and Purchasing Staff.
- Logistics Analysts.
- Facilities Managers responsible for storage operations.

Target Sectors and Industries:

- Manufacturing and Industrial Production.
- Retail and E-commerce.
- Third-Party Logistics (3PL) and Distribution.
- Pharmaceuticals and Healthcare.
- Food and Beverage.
- Automotive and Aerospace.
- Construction and Engineering.
- Government and Public Sector agencies.
- Consumer Goods and FMCG.

Target Organizations Departments:



- Logistics and Distribution.
- Supply Chain Management.
- Warehouse Operations.
- Inventory Management and Control.
- Health, Safety, and Environment (HSE).
- Procurement and Sourcing.
- Operations Management.
- Quality Assurance.
- Facilities Management.

Course Offerings:

By the end of this course, the participants will have able to:

- Develop and implement advanced inventory control strategies to improve accuracy and reduce holding costs.
- Design and optimize warehouse layouts for maximum efficiency and material flow.
- Conduct comprehensive risk assessments and establish robust safety protocols in the warehouse.
- Master techniques for cycle counting, stock auditing, and shrinkage control.
- Apply key performance indicators (KPIs) to measure and enhance warehouse performance.
- Ensure compliance with local and international warehouse safety standards.
- Manage the receiving, storing, picking, and shipping processes more effectively.
- Implement lean principles to eliminate waste in warehouse operations.
- Evaluate and select appropriate warehouse management system (WMS) technologies.
- Lead and foster a proactive safety culture among warehouse staff.

Course Methodology:



The training methodology at BIG BEN Training Center is centered on experiential and participant-focused learning to ensure maximum knowledge retention and practical application. This course moves beyond traditional lectures, employing a dynamic blend of interactive learning tools. Participants will engage in detailed case studies of real-world warehouse challenges, allowing them to analyze complex scenarios and develop viable solutions. Group discussions and collaborative workshops will encourage the sharing of diverse experiences and perspectives, fostering a rich learning environment. Practical exercises, including simulations of inventory management and safety audits, will provide hands-on experience in a controlled setting. The training will be supported by high-quality visual aids, including videos and process diagrams, to clarify complex concepts in material handling and workflow optimization. Our expert instructors facilitate each session, providing continuous feedback and guiding participants to connect theoretical knowledge with their specific operational realities. This immersive approach ensures that attendees leave with not just information, but with the confidence and skills to drive tangible improvements in their organizations.

Course Agenda (Course Units):

Unit One: Foundations of Modern Warehouse Management



- Introduction to warehousing in the modern supply chain.
- The strategic role of inventory management.
- Understanding the key functions of a warehouse: receiving, put-away, storage, picking, and shipping.
- Exploring different types of warehouses and storage systems.
- Fundamentals of warehouse layout and design principles.
- The financial impact of inventory on the balance sheet.
- Establishing a proactive warehouse safety culture from day one.

Unit Two: Advanced Inventory Control and Demand Planning

- Mastering ABC analysis for inventory categorization and control.
- Implementing effective cycle counting programs to ensure inventory accuracy.
- Techniques for calculating safety stock and reorder points.
- Introduction to demand forecasting models.
- Understanding Just-in-Time (JIT) and lean inventory principles.
- Strategies for managing and reducing obsolete and slow-moving stock.
- Controlling inventory shrinkage and loss prevention tactics.

Unit Three: Optimizing Warehouse Layout and Material Flow

- Principles of slotting optimization for improved picking efficiency.
- Analyzing and improving warehouse process flows.
- Best practices in receiving and inspection processes.
- Strategies for efficient order picking and packing operations.
- Cross-docking techniques and their applications.
- Ergonomics in warehouse design and manual handling.
- Space utilization and capacity planning methods.

Unit Four: Mastering Warehouse Safety and Risk Management



- Understanding key regulatory standards for warehouse safety.
- Conducting effective warehouse risk assessments and hazard identification.
- Safe operation of material handling equipment, including forklifts.
- Procedures for handling and storing hazardous materials.
- Developing and implementing emergency preparedness and response plans.
- The importance and proper use of Personal Protective Equipment (PPE).
- Investigating and reporting accidents and incidents in the warehouse.

Unit Five: Technology, Performance Metrics, and Continuous Improvement

- The role of Warehouse Management Systems (WMS) in modern operations.
- Exploring automation, robotics, and other emerging warehouse technologies.
- Defining and tracking key performance indicators (KPIs) for warehouse efficiency.
- Implementing continuous improvement methodologies like Kaizen and 5S.
- Sustainable warehousing practices and green logistics.
- Managing and motivating the warehouse workforce for peak performance.
- Preparing for future trends in logistics and warehouse management.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:



Considering the rise of automation and AI, how might the role of a warehouse safety manager evolve to address new types of human-robot interaction risks?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself through its holistic and integrated approach to warehouse management. Unlike programs that treat inventory control, operational efficiency, and safety as separate disciplines, this training weaves them together into a unified strategic framework. We emphasize that a safe warehouse is an efficient warehouse, and precise inventory control is the foundation of operational excellence. The curriculum is built not just on teaching tactical procedures, but on developing the strategic mindset required to lead modern logistics operations. Participants learn to analyze the entire system, identify systemic weaknesses, and implement comprehensive solutions rather than temporary fixes. Furthermore, the content moves beyond textbook theories by focusing heavily on real-world problem-solving, using case studies that reflect the current challenges of the industry, such as supply chain disruptions and the integration of new technologies. The academic rigor, combined with a strong emphasis on practical, actionable insights, ensures that graduates are prepared to drive measurable improvements in cost, accuracy, and safety within their organizations, making them invaluable assets in a competitive market.