

Materials Requirements Planning

IMPACT ON THE ORGANIZATION

Most major manufacturing companies utilize computer software packages that help establish plans for purchasing material and building products to meet specific delivery schedules. These software packages rely on basic calculations that take into account Production Schedules, Bills of Materials, Purchase Orders, Manufacturing Orders, Inventory Levels, and Lead Times to construct detailed material plans. These basic calculations are tied together in what is known as a Material Requirements Planning (MRP) System. This course introduces all MRP System users (Engineering, Purchasing, Planning, and Inventory Control personnel) to the basic working of MRP Systems, along with the data requirements and accuracies required to make their specific system function properly.

CURRICULUM COVERED

- What is a Material Requirements
 - Planning (MRP) System
 - Definition and History of MRP
 - Basic Questions Answered, and Information Required, of MRP Systems
 - How Does MRP Work
- MRP Elements
 - Manufacturing Bills of Material (BOM)
 - Item Master Files (Lead Times, Make vs. Buy Indicators)
 - Requirements “Explosion”
 - MRP Netting
- Importance of Data Accuracy

This course will help *All Disciplines* to understand the inter-relationship of the specific work they perform to a well-functioning MRP System. Managers and employees alike will learn how to understand the basic material planning system as a whole; to identify their greatest areas for data accuracy improvement, and to set effective MRP System Improvement Plans across the enterprise.

TIME INVESTMENT: 8 to 16 hours

CUSTOMIZATION

This program can be customized to reflect your organization’s procedures, policies, cases, examples, and terminology. Please inquire about these optional consulting services.

