

1-Day Planning Manufacturing Cells

Description

Cell planning is an essential skill for supervisors, team leaders and others seeking reductions in flow time, material handling, and work in process. This fast-paced workshop shows how to plan small, simple cells using the short form of Systematic Planning of Manufacturing Cells (SPMC). Production operators and staff in materials, maintenance, and quality will find it easy to learn the 6-step, Simplified SPMC method. With this training, they can professionally plan new cells or improve the ones already in use. Highly organized and comprehensive, SPMC works for any kind of manufacturing process.

Note: The examples presented in this course can be specified for machining, fabrication, or assembly.

Objectives

- To improve the planning and performance of manufacturing cells.
- To enable those operating, supporting, and maintaining the cell to do their own planning.
- To enable rapid deployment of continuous flow, Just-In-Time, world class and lean manufacturing

Who Will Benefit

- Plant and Manufacturing Managers
- Manufacturing and process engineers
- Industrial Engineers and systems analysts
- Materials and production planners
- Production supervisors and team leaders
- Cell planning and Lean Manufacturing implementation teams

Timing

Duration: 1 day
(2-, 3-, and 4-day courses also available)
Start: 8:00
AM Break: 10:30
Lunch: 12:00 – 1:00
PM Breaks: 2:15 & 3:45
Adjourn: 5:00

Course Outline

A. UNDERSTANDING MANUFACTURING CELLS

- Manufacturing cells defined.
- Key considerations in cell planning.
- Process flow-charting and analysis.
- Typical benefits of manufacturing cells.
- Identifying candidate parts and operations.

B. HOW TO PLAN A MANUFACTURING CELL

- Typical approaches to cell planning.
- The three fundamentals of every cell plan.
- A simple, six-step approach to cell planning.
- Organizing the project.

C. SYSTEMATIC PLANNING TECHNIQUES

- Gathering and analyzing key input data.
- How to classify and group your parts.
- Equipment requirements and utilization.
- Visual graphics for cell flow diagrams.

D. DEVELOPING THE CELL PLAN

- Four basic flow patterns and their benefits.
- Preliminary physical arrangement.
- Materials handling within the cell.
- Other coupling factors: physical, procedural, people.
- Evaluating alternative plans.
- Detailing and implementation.

E. COMPLEX AND MULTIPLE-CELL PROJECTS

- Systematic Planning of Manufacturing Cells (SPMC).
- Phases and procedures for complex projects.

F. MANAGEMENT ISSUES & IMPLEMENTATION

- The human element in planning cells.
- Physical aspects of implementation.
- Procedural aspects of implementation.
- Personnel and organizational changes
- Summary & closing remarks.

SPECIAL BONUS

In addition to course notes, each attendee receives a copy of the popular workbook: *Simplified Systematic Planning of Manufacturing Cells*, plus a complete set of practical working forms and checklists for immediate use.